

## Isoptera, Embioptera, Neuroptera, Mecoptera, Raphidioptera and Diptera types in ZFMK

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**Abstract.** The total type material of the Embioptera, Isoptera, Neuroptera, Mecoptera, Raphidioptera and Diptera collections housed in the Zoologisches Forschungsmuseum Alexander Koenig (ZFMK), as of 30 September 2010, are catalogued. Exclusive of the Phoridae collections of Schmitz and Beyer (which contain 452 and 152 types, respectively), the collections contain 263 holotypes, 79 lectotypes and five neotypes. Forty species are represented by syntypes and 328 by para- and paralectotypes. Except for the Phoridae collection, reference to the original description of each taxon is provided and sex and number of each type are given.

**Key words.** Type specimens, ZFMK.

### INTRODUCTION

The collections of insects covered in this paper are primarily from Europe, with additional holdings from expeditions to North Africa, Afghanistan and China (e.g., Klapperich collections). Additional information concerning the Diptera collection is briefly described in a report on the German Diptera collections (Bährmann 1999). The total number of types for Embioptera, Isoptera, Neuroptera, Mecoptera and Raphidioptera is summarized in Table 1. The total number of types for the families of Diptera exclusive of the Schmitz and Beyer Phoridae collections is summarized in Table 2.

Under each Order, this catalogue is arranged alphabetically by species name, using the original combination and spellings. Within Diptera, the entries are divided among families, which are also arranged alphabetically. Each entry is arranged in the following order: species and subspecies names, author, year of publication, page number in which species was described, original generic assignment in brackets, and the number, sex and kind of type. The following abbreviations were used in the lists: alc. – alcohol or spirit collection, HT – holotype, LT – lectotype, NT – neotype, PLT – paralectotype, PNT – paraneotype, PT – paratype, ST – syntype. Notes about nomenclature, genitalic dissections, general condition of the types, discussion of some problems encountered in determination of the type status and the present generic combination (wherever possible, if readily available from current printed and on-line catalogues) are included in the Remarks.

The complete list of original references follows each major category (Order or family). The species are all pinned and dried, unless otherwise indicated. The validity of each type was checked, wherever possible, against the original descriptions.

The vast collections of Schmitz and Beyer were treated separately in the present work as they require a thorough revision by a specialist of the family. These collections constitute the most important collections of European Phoridae while also containing numerous species from other parts of the world. Because types in these collections were often not labeled clearly or not according to the currently accepted rules (e.g., many specimens are simply labeled as “Type”), it was impossible to include details about the sex and condition of the types as was done for other families in this catalog. Therefore, data on types in these collections are given as they appear on the labels and the total number of types may be an underestimation. Establishing the actual status of types in the Schmitz and Beyer collections will require comprehensive treatment, including how subsequent workers dealt with the Schmitz and Beyer types. As many of the phorid types (or parts of types) are mounted on microscope slides, for each entry it is stated whether types are pinned or slide-mounted or both. Overall, the Schmitz collection includes 452 types and the Beyer collection 152 types but future work may reveal additional unlabeled type specimens.

## REFERENCES

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## ISOPTERA

*processionarius* Schmitz, 1924: 302 (*Eutermes*) – 2 workers, 1 soldier ST (pinned)

**Remarks:** The species name was first spelt *processionarius*, but all subsequent spellings were *processionarius*. It is assumed that the first spelling was a *lapsus calami*. In addition to the dried material above, 20 soldiers and 32 workers were found in the alcohol collection, labeled as type material and from the type locality. However, an immature reproductive was also included, but Schmitz (1924) stated that none were available at the time. He either did not view the specimen of good enough quality to describe or this alcohol material was received after the species was published. Given that no ranges were included in the measurements, it would appear that only the three dried specimens were initially available.

This species was not included in the recent Oriental catalogue (Ahmad & Akhtar 2002).

## REFERENCES

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Schmitz H (1924) Drei neue Platyphorinen (Phoridae, Diptera) und eine neue Wirtstermite. Zoologischen Anzeiger 59: 289–304

## EMBIOPTERA

*enderleini* Esben-Petersen, 1915: 86 (*Embia*) – male HT (in alc.)

**Remarks:** Synonym of *Embia savignyi* Westwood.

## REFERENCES

Esben-Petersen P (1915) Neuropteren und Embiiden aus Ober-Aegypten und dem Aegypt. Sudan. Entomologische Mitteilungen 4: 79–88

## NEUROPTERA

*cephalicus* Navás, 1911: 244 (*Myrmeleon*) – 1 male ST  
*geyri* Esben-Petersen, 1915: 85 (*Chrysopa*) – female LT; 3 females PLT (in alc.)

**Remarks:** Synonym of *Brinckochrysa chlorosoma* (Navás). LT designated by Ohm & Hölzel (1992: 294).

*koenigi* Esben-Petersen, 1915: 82 (*Berotha*) – male LT; 5 females PLT (in alc.)

**Remarks:** Assigned to *Lekrugeria* Navás. LT designated by Aspöck & Aspöck (1986: 88).

*leroiana* Esben-Petersen, 1915: 81 (*Berotha*) – male LT; 2 males, 62 females PLT (in alc.)

**Remarks:** Assigned to *Podallea* Navás. LT designated by Aspöck & Aspöck (1981: 86).

*nilotica* Tjeder, 1957: 161 (*Sisyra*) – 5 males, 9 females PT

**Remarks:** All material from type locality is missing (incl. HT).

*punctatus* Navás, 1911: 245 (*Nelees*) – 1 female ST

*trilineata* Navás, 1911: 243 (*Cueta*) – 1 male, 1 female ST

*varius* Navás, 1911: 240 (*Palpares*) – 1 female ST

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Navás L (1911) Notes sur quelques Névroptères. Insecta (Rennes) 1(11): 239–246

Ohm P, Hölzel H (1992) Aspects of biogeography and phenology of Chrysopidae from the Republic of Sudan (Insecta: Neuroptera). Pp. 291–301, in: Canard, M., Aspöck, H. & Mansell, N. W. (eds.) Current Research in Neuropterology. Proceedings of the Fourth International Symposium on Neuropterology. Banères-de-Luchon, France, 1991.

Tjeder B (1957) Neuroptera-Planipennia. The lace-wings of Southern Africa. 1. Introduction and families Coniopterygidae, Sisyridae, and Osmylidae. Chapter 3. Pp. 95–188, in: Hanström, B., Brinck, P. & Rudebeck, G. (eds.) South African Animal Life, Results of the Lund University Expedition in 1950–1951, Vol. 4. Almqvist & Wiksells, Uppsala. 508

## MECOPTERA

*communis raechlei* Lauterbach, 1970: 284 (*Panorpa*) – 2 males, 2 females ST (in alc.)

*fukiensis* Tjeder, 1950: 286 (*Panorpa*) – male HT; 1 female PT

**Remarks:** HT and PT (labeled as allotype) missing from collection.

*germanica corcyraea* Lauterbach, 1972: 122 (*Panorpa*) – female? HT

**Remarks:** Genitalia dissected and missing.



*germanica enboica* Lauterbach, 1972: 121 (*Panorpa*) – male HT; 1 male, 4 females PT

*germanica graeca* Lauterbach, 1972: 119 (*Panorpa*) – male HT; 12 males, 13 females PT

*germanica riegeri* Lauterbach, 1971: 65 (*Panorpa*) – 1–3 PT (in alc.)

**Remarks:** Type material is missing from collection.

*germanica rnmelica* Lauterbach, 1972: 117 (*Panorpa*) – male HT; 1 female PT

**Remarks:** Genitalia dissected and missing.

*klapperichi* Tjeder, 1950: 289 (*Panorpa*) – female HT

**Remarks:** HT missing from collection.

*lacedaemonia* Lauterbach, 1972: 124 (*Panorpa*) – male HT; 1 male, 2 females PT

**Remarks:** HT dissected and missing genitalia.

*plitvicensis* Lauterbach, 1972: 134 (*Panorpa (Aulops)*) – 2 females PT ?

**Remarks:** One specimen labeled as HT and other as allotype. However, HT is stated to be male. Uncertain whether both are part of the original type series. Whereabouts of other specimens are unknown.

*thrakica* Willmann, 1976: 61 (*Panorpa*) – male HT; 1 male, 3 females PT

**Remarks:** HT dissected.

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## RAPHIDIOPTERA

*marielouisae* Aspöck et al., 1978: 165 (*Raphidia*) – male HT

*notata aperta* Navás, 1911: 246 (*Raphidia*) – 1 male ST

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- Bonn zoological Bulletin 58: 49–88

## DIPTERA

### Family: Anthomyiidae

*asiatica* Hennig, 1976: 938 (*Egle*) – male HT

**Remarks:** HT dissected, genitalia mounted on three microscope slide.

*bacilligera* Hennig, 1974: 743 (*Delia*) – male HT; 6 males PT

**Remarks:** HT dissected, genitalia mounted on two microscope slides.

*clinensis* Hennig, 1973: 542 (*Pegomya*) – male HT; 1 male PT

**Remarks:** HT dissected, genitalia mounted on four microscope slides.

*graeca* Hennig, 1970: 332 (*Botanophila*) – male HT; 1 male PT

**Remarks:** HT dissected, genitalia mounted on four microscope slides.

*parafrontella* Hennig, 1974: 865 (*Delia*) – male HT

**Remarks:** HT dissected, genitalia mounted on two microscope slides.

*trifurcata* Hennig, 1976: 953 (*Pegphylemyia*) – male HT

**Remarks:** Assigned to *Botanophila* by Lioy; HT dissected, genitalia mounted on three microscope slides.

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### Family: Asilidae

*bacescui* Weinberg, 1979: 281 (*Dasygogon*) – male HT; 4 males, 4 females PT

*comosus* Scarbrough & Marascia, 2003: 28 (*Ommatius*) – 5 males, 3 females PT

*gerardi* Weinberg, 1987: 156 (*Dasygogon*) – male HT

*kugleri* Weinberg, 1985: 194 (*Dasygogon*) – 1 female PT

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#### Family: Atelestidae

*zaitsevi* Sinclair & Shamshev, 2003: 2950 (*Nemedina*) – 1 male, 1 female PT

**Remarks:** The female PT is cleared and stored in glycerine.

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Sinclair BJ, Shamshev IV (2003) A new species of *Nemedina* Chandler from mid-Asia (Diptera: Empidoidea) resolves the phylogenetic position of this enigmatic genus. Journal of Natural History 37(24): 2949–2958

#### Family: Blephariceridae

*alpinus* Kitakami, 1931: 83 (*Philorus*) – 1 pupa, 1 larva ST? (in alc.)

**Remarks:** Possible syntypes.

*bilobatoides* Kitakami, 1931: 81 (*Philorus*) – 1 pupa, 1 larva ST (in alc.)

**Remarks:** Assigned to *Agathon* Röder.

*bilobatoides longispina* Kitakami, 1931: 83 (*Philorus*) – 1 pupa ST (in alc.)

**Remarks:** Subspecies assigned to *Agathon* Röder.

*chosenensis* Kitakami, 1931 (*Philorus*) – male LT; 1 pupa, 1 larva PLT

*cinerascens tyrrhenica* Edwards, 1928: 175 (*Liponeura*) – 1 male ST

**Remarks:** Synonym of *L. cinerascens* Loew.

*deceptrix* Zwick, 1978: 249 (*Liponeura*) – male HT; 13 males PT

*decipiens* Bezzi, 1913: 103 (*Liponeura*) – 1 male PLT

**Remarks:** LT and PLT designated by Zwick (1980: 52).

*edwardsiana* Mannheims, 1954: 101 (*Liponeura*) – 4 males, 3 females PT

*itala* Zwick, 1978: 251 (*Liponeura*) – male HT (in alc.)

*kanii* Kitakami, 1938: 344 (*Neohapalothrix*) – 1 pupa, 3 larvae ST (in alc.)

*kawamurai ezoensis* Kitakami, 1950: 46 (*Bibiocephala*) – male LT, 2 pupae, 2 larvae PLT (in alc.)

**Remarks:** Assigned to *Agathon* and elevated to species level (Zwick & Arefina 2006).

*kawamurai kawamurai* Kitakami, 1950: 44 (*Bibiocephala*) – 1 male, 1 female, 2 pupae, 2 larvae ST (in alc.)

*kibunensis* Kitakami, 1931: 85 (*Philorus*) – 1 pupa, 1 larva ST (in alc.)

*komaensis* Kitakami, 1950: 41 (*Amika*) – 4 larvae ST (in alc.)

**Remarks:** Assigned to *Bibiocephala* Osten Sacken.

*kongoensis* Kitakami, 1950: 58 (*Philorus*) – 1 pupa ST (in alc.)

*kuyaensis* Kitakami, 1931: 87 (*Philorus*) – 1 larva ST (in alc.)

*manschukuensis* Mannheims, 1938: 329 (*Curupira*) – female HT

**Remarks:** Assigned to *Neohapalothrix* Kitakami.

*montana* Kitakami, 1931: 78 (*Bibiocephala*) – 1 pupa ST (in alc.)

**Remarks:** Assigned to *Agathon*.

*sardous* Zwick, 1968: 253 (*Dioptopsis*) – 1 pupa, 2 larvae PT (in alc.)

**Remarks:** Pharate male, in pupa (genitalia only).

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#### Family: Brachystomatidae

*athertonius* Sinclair, 2003: 9 (*Ceratomerus*) – 3 females PT

*attenuatus* Sinclair, 2003: 16 (*Ceratomerus*) – 3 males PT



- barringtonensis* Sinclair, 2003: 10 (*Ceratomerus*) – 2 males PT  
*falcatus* Sinclair, 2003: 27 (*Ceratomerus*) – 13 males PT  
*globosus* Sinclair, 2003: 21 (*Ceratomerus*) – 2 males, 3 females PT  
*hibernus* Sinclair, 2003: 29 (*Ceratomerus*) – 1 female PT  
*japonica* Saigusa, 1963: 121 (*Heleodromia*) – 2 males, 1 female PT  
*lobatus* Sinclair, 2003: 38 (*Ceratomerus*) – 14 males, 2 females PT  
*macalpinei* Sinclair, 2003: 23 (*Ceratomerus*) – 1 male PT  
*maculatus* Sinclair, 2003: 29 (*Ceratomerus*) – 13 males, 6 females PT  
*malleolus* Sinclair, 2003: 23 (*Ceratomerus*) – 1 male, 1 female PT  
*oreas* Sinclair, 2003: 26 (*Ceratomerus*) – 1 male PT  
*orientalis* Sinclair, 2003: 39 (*Ceratomerus*) – 33 males, 14 females PT  
*rami* Wagner & Leese, 2004: 15 (*Heleodromia*) – male HT (in alc.)  
*victoriae* Sinclair, 2003: 14 (*Ceratomerus*) – 5 males, 5 females PT

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### Family: Cecidomyiidae

All types in this family are mounted on microscope slides.

- agrostivora* Meyer, 1985: 455 (*Mayetiola*) – 3 males, 1 larva PT  
**Remarks:** According to Meyer (personal communication), his collection should contain 3 male and 2 female paratypes. However, the specimens were not labeled as paratypes and are highly damaged as they were mounted temporarily in glycerine. The medium evaporated or crystallized around the specimens making it impossible to recognize most of them. To save the remaining recognizable paratypes (3 males and 1 larva), N. Dorchin remounted two males on the same slide and ringed with Euparal the cover slip of the third male on a different slide. The larva slide was ringed by Meyer himself.  
*akko* Dorchin & Freidberg, 2008: 9 (*Careopalpis*) – 5 males, 6 females PT  
*crispa* Dorchin & Freidberg, 2008: 18 (*Stefaniola*) – 4 males, 6 females PT

- gerardi* Meyer, 1984: 35 (*Procystiphora*) – 3 males, 2 females PT  
*gina* Dorchin, 2009: 13 (*Rhopalomyia*) – 2 males, 4 females PT  
*gracilis* Dorchin & Freidberg, 2008: 12 (*Honardiella*) – 4 males, 6 females PT  
*nana* Meyer & Spungis, 1994: 434 (*Acoenonia*) – 2 males PT  
*puccinelliae* Meyer, 1984: 40 (*Mayetiola*) – male HT; 15 males, 5 females, 8 larvae, 6 exuviae PT

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### Family: Chloropidae

- agropyri* Nartshuk, 1964: 312 (*Dicraeus*) – 1 male, 1 female PT  
*bothriochloae* Nartshuk, 1978: 86 (*Dicraeus*) – 1 male, 1 female PT  
*flavescens* Nartshuk, 1974: 367 (*Dicraeus*) – 1 male, 1 female PT  
*humeralis* Nartshuk, 1964: 311 (*Dicraeus*) – 1 male, 1 female PT  
*miscanthi* Nartshuk, 1967: 435 (*Dicraeus*) – 1 male, 1 female PT  
*nartshukae* Kanmiya, 1971: 169 (*Dicraeus*) – 1 male, 1 female PT  
*nigriventris* Nartshuk, 1964: 314 (*Dicraeus*) – 1 male, 1 female PT  
*sasae* Nartshuk, 1973: 941 (*Platycephala*) – 2 females PT  
*setiger* Nartshuk, 1973: 72 (*Dicraeus*) – 1 male, 1 female PT  
*typhae* Nartshuk, 1971: 710 (*Stenophthalmus*) – 1 male, 1 female PT

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- merzi* Gatt, 2003: 677 (*Microphorella*) – male HT (in alc.); 7 males, 2 females PT (in alc.), 7 males, 5 females PT (pinned)
- minor* Takagi, 1965: 81 (*Acymatopus*) – 1 male, 1 female PT
- natalensis* Ulrich, 1991: 194 (*Plesiothalassius*) – 1 male, 1 female (pinned), 3 males, 4 females (in alc.) PT
- nepalensis* Saigusa, 1984: 62 (*Diostracus*) – 1 male, 1 female PT
- nigropunctatus* Pollet & Brunhes, 1997: 376 (*Achalculus*) – 1 male PT (in alc.)
- nishidai* Saigusa, 1984: 23 (*Diostracus*) – 1 male PT
- nodulatus* Takagi, 1965: 70 (*Couchopus*) – 3 males, 2 females PT
- piricornis* Ulrich, 1991: 201 (*Auiphthalassius*) – 1 male (pinned), 3 males, 3 females (in alc.) PT
- roghii* Rampini & Canzoneri, 1979: 265 (*Medetera*) – 1 male, 2 females PT
- saigusai* Takagi, 1965: 64 (*Conchopus*) – 2 males, 2 females PT
- stuckenbergerorum* Irwin, 1974: 236 (*Sciopolina*) – 1 male, 1 female PT
- venetus* Meuffels, 1977: 201 (*Sciapus*) – 1 male, 1 female PT
- ulrichi* Gatt, 2003: 671 (*Microphorella*) – male HT (in alc.); 6 males, 6 females PT (in alc.), 11 males, 6 females PT (pinned)

## Family: Dolichopodidae (s. lat.)

- anomalopus* Takagi, 1965: 73 (*Conchopus*) – 4 males, 2 females PT
- bimaculatus* Pollet, 1997: 361 (*Achalculus*) – 1 male, 1 female PT (in alc.)
- borealis* Takagi, 1965: 55 (*Couchopus*) – 3 males, 2 females? PT
- canzonerii* Rampini, 1975: 137 (*Caupsicnemus*) – 1 male, 1 female PT
- Remarks:** Synonym of *C. picticoruis* (Zetterstedt).
- flavus* Ulrich, 1991: 198 (*Plesiothalassius*) – 1 male, 2 females PT (in alc.)
- genualis* Takagi, 1968: 43 (*Diostracus*) – 2 males, 1 female PT
- inornatus* Takagi, 1968: 45 (*Diostracus*) – 1 male, 1 female PT
- latus* Ulrich, 1991: 206 (*Auiphthalassius*) – 1 male, 1 female (pinned), 8 males, 4 females (in alc.) PT
- longicornis* Saigusa, 1984: 67 (*Diostracus*) – 1 male, 1 female PT
- longisetosus* Takagi, 1965: 81 (*Acymatopus*) – 5 males PT
- magnipalpis* Saigusa, 1984: 45 (*Diostracus*) – 1 male, 1 female PT
- major* Takagi, 1965: 79 (*Acymatopus*) – 1 male, 1 female PT

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Ulrich H (1991) Two new genera of parathalassiine-like flies from South Africa (Diptera, Empidoidea). *Bonner zoologische Beiträge* 42: 187–216

**Family: Empididae**

*accomodata* Wagner & Leese, 2004: 10 (*Chelifera*) – male HT (in alc.)

*akatarawa* Sinclair & McLellan, 2004: 630 (*Hydropeza*) – 3 males, 3 females PT

*alpina* Sinclair & Saigusa, 2001: 511 (*Ragas*) – 3 males, 2 females PT

*alpina* Vaillant, 1981: 368 (*Chelifera*) – male HT

**Remarks:** Mounted on microscope slide.

*appalachia* Sinclair, 2008: 147 (*Clinocera*) – 11 males, 13 females PT

*asiatica* Sinclair & Saigusa, 2005: 194 (*Trichoclinocera*) – 3 males, 3 females PT

*bilobatus* Wagner & Leese, 2004: 22 (*Roederiodes*) – male HT (in alc.)

*brevidigitata* Wagner & Leese, 2004: 10 (*Chelifera*) – male HT (in alc.)

*brunea* Sinclair, 2008: 30 (*Clinocera*) – 1 male, 2 females PT

*chitaoides* Wagner & Leese, 2004: 13 (*Hemerodromia*) – male HT (in alc.)

*ciwatikina* Sinclair & Evenhuis, 2005: 4 (*Dolichocephala*) – 2 males, 2 females PT

*clarae* Sinclair & McLellan, 2004: 633 (*Hydropeza*) – 3 males, 3 females PT

*corsicana* Vaillant, 1981: 365 (*Chelifera*) – male HT

**Remarks:** Mounted on microscope slide.

*curvata* Wagner & Leese, 2004: 7 (*Chelifera*) – male HT (in alc.)

*cuspidata*, Wagner & Leese, 2004: 16 (*Clinocera*) – male HT (in alc.)

*czizeki* Barták, 1982: 399 (*Rhamphomyia* s.s.) – 1 female PT

*daviesi* Sinclair & McLellan, 2004: 634 (*Hydropeza*) – 1 male, 1 female PT

*digitata* Wagner & Leese, 2004: 10 (*Chelifera*) – male HT (in alc.)

*disjuncta* Sinclair, 2008: 90 (*Clinocera*) – 3 males, 3 females PT

*elongatiodes* Wagner & Leese, 2004: 13 (*Hemerodromia*) – male HT (in alc.)

*haeselbarthae* Wagner & Leese, 2004: 11 (*Chelifera*) – male HT (in alc.)

*insueta* Wagner & Leese, 2004: 5 (*Chelifera*) – male HT (in alc.)

*klapperichi* Frey, 1953: 79 (*Rhamphomyia* (*Eorhamphomyia*)) – 1 male, 1 female ST

*longicanda* Sinclair & Saigusa, 2001: 514 (*Ragas*) – 1 male, 1 female PT

*longicercus* Wagner & Leese, 2004: 16 (*Clinocera*) – male HT (in alc.)

*lunata* Wagner & Leese, 2004: 18 (*Clinocera*) – male HT (in alc.)

*lunatoides* Wagner & Leese, 2004: 18 (*Clinocera*) – male HT (in alc.)

*macdonaldi* Sinclair, 2008: 135 (*Clinocera*) – 2 males PT

*mandarina* Frey, 1953: 40 (*Rhamphomyia* (*Planempis*)) – 1 male, 2 females ST

*marginosetosa* Wagner & Leese, 2004: 16 (*Clinocera*) – male HT (in alc.)

*milleri* Sinclair & McLellan, 2004: 638 (*Hydropeza*) – 1 male, 1 female PT

*multisetata* Wagner & Leese, 2004: 6 (*Chelifera*) – male HT (in alc.)

*naggarensis* Wagner & Leese, 2004: 22 (*Roederiodes*) – male HT (in alc.)

*naumanni* Sinclair & Saigusa, 2005: 201 (*Trichoclinocera*) – 1 male, 1 female PT

*nepalensis* Sinclair & Saigusa, 2005: 202 (*Trichoclinocera*) – 3 males, 3 females PT

*nevadensis* Lindner, 1962: 1 (*Rhamphomyia*) – 1 male PLT

**Remarks:** Barták (1998: 17) identified HT in Stuttgart, but was unaware of additional type material in ZFMK, thus he actually designated a LT.

*panesari* Wagner & Leese, 2004: 20 (*Dolichocephala*) – male HT

**Remarks:** Mounted on microscope slide.

*paniculata* Sinclair & McLellan, 2004: 639 (*Hydropeza*) – 4 females PT

*pyrenaica* Vaillant, 1981: 384 (*Chelifera*) – male HT; 1 male PT

**Remarks:** Mounted on microscope slide.

*rhombicercus* Wagner & Leese, 2004: 7 (*Chelifera*) – male HT (in alc.)

*rhomboides* Wagner & Leese, 2004: 13 (*Hemerodromia*) – male HT (in alc.)

*rotundinota* Wagner & Leese, 2004: 20 (*Dolichocephala*) – male HT (in alc.)

*rubriventris* Sinclair, 2000: 356 (*Clinocera*) – 2 males, 3 females PT

*schwoerbeli* Wagner & Leese, 2004: 22 (*Roederiodes*) – male HT (in alc.)

*serrata* Wagner & Leese, 2004: 25 (*Trichoclinocera*) – male HT (in alc.)

*serraticauda meridionalis* Vaillant, 1981: 373 (*Chelifera*) – male HT

**Remarks:** Mounted on microscope slides. This specimen likely represents a syntype as the types series consisted of numerous specimens and no holotype was designated. Synonym of *serraticauda* (Horvat 2002).

*setitibia* Sinclair, 2008: 80 (*Clinocera*) – 2 males, 1 female PT

*setosa* Wagner & Leese, 2004: 18 (*Clinocera*) – male HT (in alc.)

*sinclairi* Wagner & Lecse, 2004: 19 (*Clinocera*) – male HT (in alc.)

*siveci* Wagner & Horvat, 1993: 36 (*Roederiodes*) – 3 males, 3 females (in alc.)

**Remarks:** Assigned to *Clinocerella* Engel.

*spinosa* Wagner & Leese, 2004: 13 (*Hemerodromia*) – male HT (in alc.)

*standerae* Wagner & Leese, 2004: 8 (*Chelifera*) – male HT (in alc.)

*sublineata* Sinclair, 2008: 142 (*Clinocera*) – 1 female PT

*taiwanensis* Sinclair & Saigusa, 2005: 204 (*Trichoclinocera*) – 36 males, 49 females PT

*vockerothi* Sinclair & McLellan, 2004: 643 (*Hydropeza*) – 6 males, 3 females PT

*wallowa* Sinclair, 2008: 118 (*Clinocera*) – 2 males, 2 females PT

*walutikina* Sinclair & Evenhuis, 2005: 7 (*Dolichocephala*) – 3 males, 3 females PT

*ynnana* Sinclair & Saigusa, 2005: 206 (*Trichoclinocera*) – 12 males, 8 females PT

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## Family: Glossinidae

*martinii* Zumpt, 1935: 146 (*Glossina*) – 2 females PT

## REFERENCES

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## Family: Hybotidae

*irrorata* Sinclair & Cumming, 2000: 168 (*Apterodromia*) – 1 male PT

*masneri* Sinclair & Cumming, 2007: 31 (*Leptopezella*) – 1 female PT

*nigripennis* Chvála, 1975: 169 (*Dysaletria*) – 1 male, 1 female PT

*schnitteri* Stark, 1996: 301 (*Tachydromia*) – 1 male, 1 female PT (in alc.)

*spinosa* Sinclair & Cumming, 2007: 35 (*Leptopezella*) – 1 male, 1 female PT

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## Family: Milichiidae

*glandulifera* Brake & Freidberg, 2003: 279 (*Desmometopa* (*Litometopa*)) – 1 female PT (in alc.)



*sabroskyi* Brake & Freidberg, 2003: 280 (*Desmometopa* (*Litometopa*)) – 4 females PT (in alc.)

## REFERENCES

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## Family: Muscidae

*aestuum* Villeneuve, 1902: 197 (*Linnophora*) – 1 male ST

**Remarks:** Assigned to *Villeneuveia* Schnabl & Dziedziicki (missing head).

*leucospila sinica* Hennig, 1960: 440 (*Lispe*) – female HT

**Remarks:** Elevated to species.

*lividiventris plumbea* Hennig, 1962: 659 (*Alloeostylus*) – male HT; 20 males, 4 females PT

**Remarks:** Assigned as ssp. under *Thricops lividiventris* (Zett.).

*mandschurica* Hennig, 1957: 196 (*Helina*) – male HT; 4 females PT

**Remarks:** Name first appears in the key (Hennig 1957: 150).

## REFERENCES

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Villeneuve J (1902) Description d'une nouvelle espèce de *Linnophora* vivant au bord la mer. Wiener Entomologische Zeitung 21: 197–198

## Family: Mustacinobiidae

*zelandica* Holloway, 1976: 281 (*Mystacinobia*) – 6 males, 2 females PT (in alc.)

## REFERENCES

Holloway BA (1976) A new bat-fly family from New Zealand (Diptera: Mystacinobiidae). New Zealand Journal of Zoology 3: 279–301

## Family: Oreoleptidae

*torrenticola* Zloty, Sinclair & Pritchard, 2005: 256 (*Oreoleptis*) – 1 male, 2 females PT

## REFERENCES

Zloty J, Sinclair BJ, Pritchard G (2005) Discovered in our backyards: a new genus and species of a new family from the Rocky Mountains of North America (Diptera, Tabanomorpha). Systematic Entomology 30: 248–266

## Family: Phoridae

Types in the Schmitz and Beyer collections are listed separately.

*angustifrons* Gotô, 1983: 377 (*Crinophleba*) – 3 males 1 female PT

**Remarks:** Assigned to *Burmophora*.

*attae* Disney 1996: 1381 (*Neodohrniphora*) – female HT; 2 males, 3 females PT

**Remarks:** Assigned to *Eibesfeldtphora* by Disney (2009); mounted on microscope slides.

*carina* Brown 1987: 277 (*Gymnophora*) – 1 male, 1 female PT

*citrinella* Buck, 2001: 88 (*Megaselia*) – male HT

**Remarks:** Critical-point dried and glued to side of pin.

*dentistylata* Buck, 1997: 352 (*Xenotriphleba*) – male HT

**Remarks:** Genitalia in microvial on same pin.

*fulvum* Gotô 1984: 76 (*Trophithauma*) – 1 female PT

*glabrimargo* Buck, 2001: 98 (*Megaselia*) – male HT

**Remarks:** Mounted on microscope slide.

*hexanophila* Buck, 2001: 101 (*Megaselia*) – male HT; 10 males, 9 females PT

**Remarks:** Critical-point dried and glued to side of pin.

*labellaspinata* Disney, 2001: 105 (*Megaselia*) – 1 male PT

**Remarks:** Mounted on microscope slide.

*lacunifera* Gotô, 1984: 166 (*Phora*) – 1 male PT

*mimodensior* Buck, 2001: 108 (*Megaselia*) – male HT; 1 male, 2 females PT

**Remarks:** Critical-point dried and glued to side of pin.

*perpropinqua* Mostovski & Michailovskaya, 2003: 159 (*Gymnophora*) – 1 male PT

*prisca* Gotô, 1985: 1 (*Phora*) – 3 males, 2 females PT

*raruvesiculae* Disney, 2001: 115 (*Megaselia*) – 1 male PT

**Remarks:** Mounted on microscope slide.

*xanthophila* Buck, 2001: 121 (*Megaselia*) – male HT; 2 males, 3 females PT

**Remarks:** Critical-point dried and glued to side of pin.

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## TYPES IN THE SCHMITZ COLLECTION

AL – allotype, CT – cotype, HT – holotype, LT – lectotype, PT – paratype, T – type, ST – syntype, S – microscope slide, P – pinned (\* Also in the Beyer collection (pinned))

<i>abdita</i> Schmitz, 1959: 123 ( <i>Megaselia</i> ) – T	P
<i>achatiniae</i> Cook, 1897: 886 ( <i>Waudolleckia</i> ) – T, CT	P
<i>aculeata</i> Schmitz, 1919: 142 ( <i>Megaselia</i> ) – HT, CT, PT	S+P
<i>acuta</i> Schmitz, 1935: 92 ( <i>Megaselia</i> ) – T, CT	P
<i>adducta</i> Schmitz 1955: 328 ( <i>Phora</i> ) – PT	P
<i>aequalis</i> Schmitz, 1919: 189 ( <i>Triphleba</i> ) – HT	P
<i>aequilateralis</i> Schmitz, 1936: 75 ( <i>Megaselia</i> ) – CT	P
<i>aequimarginata</i> Bridarolli, 1951: 40 ( <i>Megaselia</i> ) – CT	P
<i>aerea</i> Schmitz 1930: 60 ( <i>Phora</i> ) – CT	P
<i>aerivaga</i> Schmitz, 1937: 110 ( <i>Megaselia</i> ) – CT	P
<i>affinis</i> Wood, 1909: 25 ( <i>Megaselia</i> ) – T, CT	P
<i>afghana</i> Schmitz, 1959: 119 ( <i>Megaselia</i> ) – T, CT	P
<i>afra</i> Silvestri, 1920: 275 ( <i>Ptochomyia</i> ) – CT	P
<i>agnata</i> Schmitz, 1926: 50 ( <i>Megaselia</i> ) – PT	P
<i>albiclava</i> Schmitz, 1926: 79 ( <i>Megaselia</i> ) – HT	S+P
<i>aliena</i> Malloch, 1924: 356 ( <i>Beckerina</i> ) – CT	P
<i>alpina</i> Schmitz & Beyer, 1965: 521 ( <i>Megaselia</i> ) – CT	P
<i>alticola</i> Schmitz, 1958: 52 ( <i>Ptochomyia</i> ) – PT	S
<i>amapaensis</i> Borgmeier, 1967: 61 ( <i>Metopina</i> ) – CT	P
<i>americana</i> Schmitz & Wirth, 1954: 124 ( <i>Phora</i> ) – PT	P
<i>amurensis</i> Schmitz, 1927: 64 ( <i>Borophaga</i> ) – T	P
<i>analisis</i> Lundbeck, 1920: 30, 35 ( <i>Megaselia</i> ) – HT, PT	P
<i>androidea</i> Bridarolli, 1951: 62 ( <i>Megaselia</i> ) – CT	P
<i>angolanus</i> Schmitz, 1955: 35 ( <i>Aenigmatistes</i> ) – PT, CT	S+P
<i>angularis</i> Schmitz, 1924: 16 ( <i>Megaselia</i> ) – CT, PT	S+P
<i>angusta</i> Wood, 1909: 193 ( <i>Megaselia</i> ) – T	P
<i>angustina</i> Schmitz, 1936: 77 ( <i>Megaselia</i> ) – CT	S
<i>annulipes</i> Schmitz, 1921: 325 ( <i>Megaselia</i> ) – HT	S
<i>apenninigena</i> Schmitz, 1943: 148 ( <i>Triphleba</i> ) – HT	P
<i>aphidiforme</i> Schmitz & Mjoberg, 1925: 45 ( <i>Rhynchomicropteron</i> ) – ST	S
<i>apiogaster</i> Schmitz, 1955: 54 ( <i>Syntermitoxenia</i> ) – PT	S
<i>apophysata</i> Schmitz, 1940: 56 ( <i>Megaselia</i> ) – CT, T	S+P
<i>apozona</i> Schmitz, 1936: 78 ( <i>Megaselia</i> ) – PT, CT	S+P
<i>appendicigera</i> Borgmeier, 1924: 13 ( <i>Phalacrotophora</i> ) – T	P
<i>aprilina</i> Schmitz, 1918: 35 ( <i>Triphleba</i> ) – ST	P



<i>aquilonia</i> Schmitz, 1958: 103 ( <i>Megaselia</i> ) – CT, PT	S+P
<i>ardua</i> Schmitz, 1940: 3 ( <i>Megaselia</i> ) – CT	P
<i>aristica</i> Schmitz, 1920: 140 ( <i>Plastophora</i> ) – HT, T	S+P
<i>armata</i> Wood, 1909: 25 ( <i>Megaselia</i> ) – T, PT	P
<i>arquata</i> Schmitz, 1935: 90 ( <i>Megaselia</i> ) – T, CT	P
<i>artifrons</i> Schmitz, 1920: 117 ( <i>Phora</i> ) – LT	P
<i>aspera</i> Schmitz, 1930: 68 ( <i>Megaselia</i> ) – HT, PT	P
<i>atrosericea</i> Schmitz, 1927: 113 ( <i>Megaselia</i> ) – ST, CT	S+P
<i>auranticolor</i> Schmitz, 1932: 123 ( <i>Phalacrotophora</i> ) – T*	P+S
<b>Remarks:</b> Slide in Beyer collection.	
<i>austera</i> Schmitz, 1929: 40 ( <i>Megaselia</i> ) – PT	P
<i>austrophila</i> Schmitz, 1939: 68 ( <i>Antipodiphora</i> ) – CT	P
<i>badia</i> Schmitz, 1938: 193 ( <i>Megaselia</i> ) – HT, CT	S
<i>baltica</i> Schmitz, 1924: 164 ( <i>Megaselia</i> ) – HT, LT, CT	S+P
<i>basicrinalis</i> Schmitz, 1953: 223 ( <i>Megaselia</i> ) – AL, T, CT	S+P
<i>berndeseni</i> Schmitz, 1919: 118 ( <i>Megaselia</i> ) – T, PT	P
<i>beyeri</i> Schmitz, 1965: 525 ( <i>Megaselia</i> ) – CT	S+P
<i>bifida</i> Schmitz, 1949: 195 ( <i>Triphleba</i> ) – PT	S
<i>bistruncata</i> Schmitz, 1936: 79 ( <i>Megaselia</i> ) – CT	P
<i>blattiformis</i> Schmitz, 1933: 35 ( <i>Aenigmatistes</i> ) – PT	S+P
<i>braueri</i> Strobl, 1880: 40 ( <i>Metopina</i> ) – T	P
<i>braunsi</i> Wasmann, 1900: 611 ( <i>Termitophilomyia</i> ) – CT	S
<i>brevicauda</i> Schmitz, 1925: 23 ( <i>Psenaceton</i> ) – ST, T, PT	S+P
<i>breviceps</i> Schmitz, 1939: 113 ( <i>Aphiura</i> ) – CT	P
<i>brevicornis</i> Schmitz, 1939: 76 ( <i>Antipodiphora</i> ) – CT	P
<i>brevicostalis</i> Wood, 1910: 246 ( <i>Megaselia</i> ) – HT	S
<i>brevior</i> Schmitz, 1924: 130 ( <i>Megaselia</i> ) – HT	S+P
<i>brevipalpis</i> Schmitz, 1935: 161 ( <i>Spiniphora</i> ) – T, PT	P
<i>brevirostris</i> Schmitz, 1915: 35 ( <i>Odontoxenia</i> ) – PT, CT	S+P
<i>brevissima</i> Schmitz, 1924: 85 ( <i>Megaselia</i> ) – HT	S
<i>breviterga</i> Lundbeck, 1921: 33 ( <i>Megaselia</i> ) – CT	P
<i>brumalis</i> Schmitz, 1943: 154 ( <i>Triphleba</i> ) – HT	P
<i>brunnea</i> Schmitz, 1920: 136 ( <i>Megaselia</i> ) – PT	P
<i>bucki</i> Schmitz, 1927: 73 ( <i>Catachnusa</i> ) – PT	P
<i>bullata</i> Schmitz, 1927: 158 ( <i>Phora</i> ) – PT	P
<i>hybrida</i> Schmitz, 1939: 187 ( <i>Megaselia</i> ) – PT, T	S+P
<i>caecutiens</i> Schmitz, 1914: 519 ( <i>Rhynchomicropteron</i> ) – T	S
<i>calva</i> Schmitz, 1951: 163 ( <i>Puliciphora</i> ) – PT	S
<i>camponoti</i> Schmitz, 1934: 145 ( <i>Menozziola</i> ) – HT	S
<i>capillosa</i> Schmitz, 1933: 1 ( <i>Phora</i> ) – PT	P
<i>capronata</i> Schmitz, 1940: 51 ( <i>Megaselia</i> ) – LT, CT	S+P
<i>carlina</i> Schmitz, 1930: 59 ( <i>Phora</i> ) – LT, PLT	P
<i>caudatarius</i> Schmitz, 1915: 328 ( <i>Apocephalus</i> ) – CT	P
<i>ciliatula</i> Schmitz, 1957: 431 ( <i>Megaselia</i> ) – T	S+P
<i>cilipes</i> Schmitz, 1927: 92 ( <i>Aenigmatistes</i> ) – HT	S
<i>cinerea</i> Schmitz, 1938: 8 ( <i>Megaselia</i> ) – T, CT	P
<i>cinereifrons</i> Strobl, 1910: 124 ( <i>Megaselia</i> ) – PT	S
<i>cinereifrons</i> Strobl, 1910: 124 ( <i>Megaselia</i> ) – T	P
<i>cirratula</i> Schmitz, 1948: 396 ( <i>Megaselia</i> ) – T	P
<i>cirriventris</i> Schmitz, 1929: 86 ( <i>Megaselia</i> ) – T	P
<i>cisalpina</i> Schmitz, 1935: 82 ( <i>Conicera</i> ) – T, PT	S+P
<i>clara</i> Schmitz, 1921: 320 ( <i>Megaselia</i> ) – AL	S
<i>claripennis</i> Bridarolli, 1951: 45 ( <i>Megaselia</i> ) – CT	P
<i>coetanea</i> Schmitz, 1929: 126 ( <i>Megaselia</i> ) – PT	S+P
<i>cochlearipalpis</i> Speiser 1908: 145 ( <i>Kuenburgia</i> ) – T	
<b>Remarks:</b> As <i>Nossibeia cochlearipalpis</i> .	P

<i>coei</i> Schmitz, 1938: 9 ( <i>Megaselia</i> ) – CT	P
<i>collini</i> Schmitz, 1943: 156 ( <i>Triphleba</i> ) – T, PT	S+P
<i>colyeri</i> Schmitz, 1958: 19 ( <i>Aenigmatopoeus</i> ) – PT, CT	S+P
<i>communiformis</i> Schmitz, 1918: 139, 149 ( <i>Megaselia</i> ) – T	S+P
<i>compacta</i> Schmitz, 1940: 53 ( <i>Megaselia</i> ) – HT, PT	S+P
<i>conformipar</i> Schmitz, 1958: 505 ( <i>Megaselia</i> ) – PT, CT, T	S+P
<i>confortata</i> Schmitz, 1929: 41 ( <i>Megaselia</i> ) – PT	P
<i>congrna</i> Schmitz, 1926: 52 ( <i>Megaselia</i> ) – HT	S
<i>consetigera</i> Schmitz, 1925: 122 ( <i>Megaselia</i> ) – T	S+P
<i>consimilis</i> Lundbeck, 1920: 11 ( <i>Megaselia</i> ) – CT	P
<i>constrictior</i> Schmitz, 1929: 126 ( <i>Megaselia</i> ) – HT	S+P
<i>convallium</i> Schmitz, 1928: 132 ( <i>Phora</i> ) – LT, PLT	P
<i>cornigera</i> Beyer, 1958: 19 ( <i>Borophaga</i> ) – CT*	P+S
<b>Remarks:</b> Slide in Beyer collection.	
<i>crassinervis</i> Schmitz, 1920: 115 ( <i>Metopina</i> ) – T	S+P
<i>crassivenia</i> Schmitz, 1927: 132 ( <i>Megaselia</i> ) – HT	P
<i>crinita</i> Schmitz, 1939: 16 ( <i>Megaselia</i> ) – PT, CT	S+P
<i>cryptopalpis</i> Borgmeier, 1960: 301 ( <i>Calamiscus</i> ) – CT	P
<i>curtineura</i> (Brues), 1909: 6 ( <i>Megaselia</i> ) HT, T	S+P
<i>curvicapilla</i> Schmitz, 1947: 118 ( <i>Megaselia</i> ) – CT, PT	P
<i>curvivenia</i> Schmitz, 1928: 35 ( <i>Megaselia</i> ) – PT	S+P
<i>daemon</i> Bridarolli, 1951: 46 ( <i>Megaselia</i> ) – CT	P
<i>deltomera</i> Schmitz, 1924: 84 ( <i>Megaselia</i> ) – HT	S
<i>densior</i> Schmitz, 1927: 131 ( <i>Megaselia</i> ) – CT, ST	S+P
<i>dentata</i> Schmitz, 1943: 158 ( <i>Triphleba</i> ) – T, CT	P
<i>desitnta</i> Disney, 1999: 244 ( <i>Puliciphora</i> ) – HT, PT	S
<i>devia</i> Schmitz, 1936: 193 ( <i>Megaselia</i> ) – HT, T	S+P
<i>differens</i> Schmitz, 1948: 394 ( <i>Megaselia</i> ) – HT	S
<i>digitalis</i> Borgmeier, 1925: 232 ( <i>Syneura</i> ) – PT	P
<i>digitalis</i> Schmitz, 1957: 189 ( <i>Megaselia</i> ) – CT	P
<i>dimidia</i> Schmitz, 1926: 107 ( <i>Megaselia</i> ) – HT, PT, CT	S+p
<i>diptychogastra</i> Schmitz, 1940: 23 ( <i>Pericyclocera</i> ) – ST	S
<i>disparinervis</i> Schmitz, 1947: 94 ( <i>Triphleba</i> ) – HT, PT	S+P
<i>dissitum</i> Schmitz, 1925: 40 ( <i>Trophithauma</i> ) – HT	S
<i>dohrniphoroidea</i> Assmuth, 1919: 198 ( <i>Diplonevra</i> ) – CT	P
<i>dolichoptera</i> Bridarolli, 1937: 73 ( <i>Megaselia</i> ) – CT*	P
<i>doryphora</i> Schmitz, 1957: 431 ( <i>Megaselia</i> ) – PT, T	S+P
<i>dudai</i> Schmitz, 1918: 379 ( <i>Triphleba</i> ) – T	P
<i>eccoptomera</i> Schmitz, 1927: 115 ( <i>Megaselia</i> ) – HT, CT	S+P
<i>edentata</i> Schmitz, 1920: 121 ( <i>Phora</i> ) – LT, PLT	P
<i>eidmanni</i> Schmitz, 1941: 78 ( <i>Euryplatea</i> ) – PT	P
<i>eisfelderae</i> Schmitz, 1948: 42 ( <i>Megaselia</i> ) – HT	P
<i>elongata</i> Wood, 1914: 153 ( <i>Megaselia</i> ) – PT	P
<i>elongatns</i> Schmitz, 1950: 21 ( <i>Chonocephalus</i> ) – HT, PT	S
<i>eminens</i> Beyer, 1958: 21 ( <i>Borophaga</i> ) – CT*	P
<i>eminens</i> Schmitz, 1953: 219 ( <i>Megaselia</i> ) – PT, T, CT	S+P
<i>equitans</i> Schmitz, 1939: 43 ( <i>Plastophora</i> ) – CT	P
<i>enpygis</i> Schmitz, 1929: 125 ( <i>Megaselia</i> ) – HT	S
<i>euryprocta</i> Schmitz, 1957: 234 ( <i>Megaselia</i> ) – PT, T, CT	S+P
<i>exangnlata</i> Schmitz, 1947: 116 ( <i>Megaselia</i> ) – HT	S+P
<i>exarcuata</i> Schmitz, 1927: 130 ( <i>Megaselia</i> ) – HT	S
<i>excavata</i> Schmitz, 1927: 131 ( <i>Megaselia</i> ) – HT, CT	S+P
<i>excisa</i> Lundbeck, 1921: 130 ( <i>Triphleba</i> ) – T, PT	P
<i>exenterans</i> Schmitz, 1938: 375–394 ( <i>Misotermes</i> ) – HT, CT	P
<i>exilis</i> Schmitz, 1958: 13, 16 ( <i>Penthaplus</i> ) – PT	S
<i>extravagans</i> Schmitz, 1929: 31 ( <i>Dicranodeina</i> ) – PT	S



<i>feronia</i> Schmitz, 1934: 87 ( <i>Megaselia</i> ) – HT, T	S+P
<i>filamentosa</i> Schmitz, 1958: 475 ( <i>Megaselia</i> ) – HT	S
<i>fischeri</i> Schmitz, 1942: 11 ( <i>Megaselia</i> ) – HT	P
<b>Remarks:</b> Synonymized with <i>sepulchralis</i> .	
<i>flavicans</i> Schmitz, 1935: 178 ( <i>Megaselia</i> ) – T	P
<i>fletcheri</i> Wasmann, 1913: 17 ( <i>Termitosphaera</i> ) – PT	S
<i>floricola</i> Schmitz, 1938: 184 ( <i>Conicera</i> ) – T	P
<i>formicarum</i> Verrall, 1877: 258 ( <i>Psendaceton</i> ) – HT, PT	P
<i>formicomendicola</i> Schmitz, 1927: 243 ( <i>Metopina</i> ) – ST	S
<i>formosensis</i> Brues, 1911: 539 ( <i>Conicera</i> ) – CT	P
<i>forsinsi</i> Schmitz, 1927: 110 ( <i>Microselia</i> ) – HT	P
<i>fortimana</i> Schmitz, 1943: 165 ( <i>Triphleba</i> ) – T, CT	P
<i>fortinervis</i> Schmitz, 1926: 51 ( <i>Megaselia</i> ) – HT	S
<i>frameata</i> Schmitz, 1927: 113 ( <i>Megaselia</i> ) – ST, T, CT	S+P
<i>fransseni</i> Schmitz, 1933: 102 ( <i>Javanoxenia</i> ) – HT, PT, T	S+P
<i>franzi</i> Schmitz, 1950: 107 ( <i>Aenigmatias</i> ) – HT	S
<i>freyi</i> Schmitz, 1927: 70 ( <i>Diplonevra</i> ) – HT	S
<i>funebri</i> Meigen, 1830: 221 ( <i>Diplonevra</i> ) – T	P
<i>funeralis</i> Schmitz, 1928: 32 ( <i>Megaselia</i> ) – PT	S
<i>furcatipennis</i> Schmitz, 1934: 102 ( <i>Megaselia</i> ) – HT	S
<i>furva</i> Schmitz, 1929: 116 ( <i>Megaselia</i> ) – PT, T	S+P
<i>fusciclava</i> Schmitz, 1935: 82 ( <i>Megaselia</i> ) – T*	P
<i>fuscinula</i> Schmitz, 1926: 84 ( <i>Megaselia</i> ) – T, PT	S+P
<i>fuscoides</i> Schmitz, 1934: 101 ( <i>Megaselia</i> ) – T	P
<i>fuscopleuralis</i> Schmitz, 1929: 115 ( <i>Megaselia</i> ) – T, CT	S+P
<i>fuscovariana</i> Schmitz, 1933: 99 ( <i>Megaselia</i> ) – HT, PT, CT	S+P
<i>galeata</i> Haliday, 1833: 179 ( <i>Metopina</i> ) – T	P
<i>gargarans</i> Schmitz, 1948: 393 ( <i>Megaselia</i> ) – HT, PT, T, CT*	S+P
<i>gemina</i> Schmitz, 1958: 488 ( <i>Megaselia</i> ) – PT, T	S+P
<i>genitalis</i> Schmitz, 1940: 78 ( <i>Spiniphora</i> ) – CT	P
<i>germanica</i> Schmitz, 1918: 114 ( <i>Borophaga</i> ) – T	P
<i>gilvipes</i> Schmitz, 1943: 166 ( <i>Triphleba</i> ) – T	P
<i>glabra</i> Schmitz, 1927: 72 ( <i>Diplonevra</i> ) – T	P
<i>globicornis</i> Schmitz, 1948: 391 ( <i>Megaselia</i> ) – T	P
<i>grata</i> Schmitz 1939: 34 ( <i>Kierania</i> ) – CT	P
<i>gratiosa</i> Schmitz, 1939: 11 ( <i>Megaselia</i> ) – HT, CT	S+P
<i>grisaria</i> Schmitz, 1933: 3 ( <i>Megaselia</i> ) – PT, CT	S+P
<i>hamata</i> Schmitz, 1927: 157 ( <i>Phora</i> ) – LT	P
<i>havilandi</i> Wasmann, 1900: 601 ( <i>Termitoxenia</i> ) – CT	P
<i>hawaiiensis</i> Colyer, 1956: 233 ( <i>Conicera</i> ) – PT	P
<i>hentrichi</i> Schmitz, 1934: LX ( <i>Triphleba</i> ) – PL	P
<i>heselhausi</i> Schmitz, 1924: 91 ( <i>Metopina</i> ) – HT	S
<i>hibernans</i> Schmitz, 1934: LX ( <i>Megaselia</i> ) – HT, CT, T	S+P
<i>hibernica</i> Schmitz, 1938: 190 ( <i>Megaselia</i> ) – PT	P
<i>hilaris</i> Schmitz, 1927: 144 ( <i>Megaselia</i> ) – HT, T	S+P
<i>hirticrus</i> Schmitz, 1918: 62 ( <i>Megaselia</i> ) – CT, T	P
<i>holosericea</i> Schmitz, 1920: 121 ( <i>Phora</i> ) – LT, PLT	P
<i>horrida</i> Schmitz, 1920: 115 ( <i>Phora</i> ) – T, CT	P
<i>hyalinata</i> Meigen, 1830: 222 ( <i>Triphleba</i> ) – PT	P
<i>hyperborea</i> Schmitz, 1927: 156 ( <i>Phora</i> ) – LT, PLT	P
<i>hypopygialis</i> Schmitz, 1918: 34 ( <i>Triphleba</i> ) – HT, T	P
<i>imberbis</i> Schmitz, 1934: 65 ( <i>Megaselia</i> ) – CT	S+P
<i>impariseta</i> Bridarolli, 1937: 68 ( <i>Megaselia</i> ) – CT	P
<i>impinguata</i> Schmitz, 1935: 88 ( <i>Megaselia</i> ) – PT	S
<i>impolluta</i> Schmitz, 1920: 116 ( <i>Megaselia</i> ) – ST	S+P
<i>inaequalis</i> Schmitz, 1927: 244 ( <i>Metopina</i> ) – HT	S

<i>inaequalis</i> Schmitz, 1943: 172 ( <i>Triphleba</i> ) – T	P
<i>incompressa</i> Beyer, 1965: 583 ( <i>Megaselia</i> ) – ST, PT	S+P
<i>incomptus</i> Schmitz, 1927: 111 ( <i>Acanthophorides</i> ) – HT	P
<i>incongruens</i> Schmitz, 1940: 119 ( <i>Megaselia</i> ) – T	S
<i>incrassaticosta</i> Bridarolli, 1951: 24 ( <i>Megaselia</i> ) – T	S
<i>indigesta</i> Schmitz, 1920: 143 ( <i>Megaselia</i> ) – T	S+P
<i>indivisa</i> Schmitz, 1948: 112 ( <i>Phora</i> ) – T	P
<b>Remarks:</b> Genitalia dissected, in microvial.	
<i>inermis</i> Schmitz, 1944: 51 ( <i>Billotia</i> ) – PT	P
<i>inquinata</i> Schmitz, 1953: 225 ( <i>Megaselia</i> ) – T, CT	P
<i>insecta</i> Schmitz, 1953: 207 ( <i>Megaselia</i> ) – CT, PT	P
<i>integralis</i> Schmitz, 1920: 133 ( <i>Gymnophora</i> ) – HT	P
<i>intempesta</i> Schmitz, 1918: 74 ( <i>Triphleba</i> ) – LT	P
<i>intergeriva</i> Schmitz, 1948: 397 ( <i>Megaselia</i> ) – T	P
<i>intersecta</i> Schmitz, 1935: 13 ( <i>Megaselia</i> ) – HT, PT	S+P
<i>intonsa</i> Schmitz, 1948: 390 ( <i>Megaselia</i> ) – PT	S+P
<i>japonicus</i> Schmitz, 1941: 82 ( <i>Conocephalus</i> ) – T	S
<i>jochiana</i> Schmitz, 1957: 432 ( <i>Megaselia</i> ) – PT	S+P
<i>kohli</i> Schmitz, 1915: 487 ( <i>Aenigmatopoeus</i> ) – PT	S
<i>kolana</i> Schmitz, 1928: 33 ( <i>Megaselia</i> ) – T	P
<i>kuenburgi</i> Schmitz, 1956: 384 ( <i>Woodiphora</i> ) – T, PT	P
<i>lactipennis</i> Lundbeck, 1920: 24 ( <i>Megaselia</i> ) – LT	S
<i>lamellatus</i> Borgmeier, 1926: 49 ( <i>Apocephalus</i> ) – T	P
<i>lanceolata</i> Brues, 1924: 211 ( <i>Megaselia</i> ) – ST, PT	S+P
<i>laugnescens</i> Schmitz, 1924: 83 ( <i>Megaselia</i> ) – LT, ST, T	S+P
<i>lapponica</i> Schmitz, 1928: 32 ( <i>Megaselia</i> ) – PT	S+P
<i>largifrontalis</i> Schmitz, 1939: 189 ( <i>Megaselia</i> ) – PT	S+P
<i>lateralis</i> Schmitz, 1926: 53 ( <i>Megaselia</i> ) – PT	P
<i>latericia</i> Schmitz, 1935: 15 ( <i>Megaselia</i> ) – HT, PT	P
<i>laticrns</i> Schmitz, 1927: 116 ( <i>Megaselia</i> ) – T	S
<i>latior</i> Schmitz, 1936: 195 ( <i>Megaselia</i> ) – CT, T	S+P
<i>latipes</i> Borgmeier, 1933: 263 ( <i>Megaselia</i> ) – CT	P
<i>leleupi</i> Schmitz, 1955: 49 ( <i>Termitophilomyia</i> ) – PT, CT	S+P
<i>lencozona</i> Schmitz, 1930: 67 ( <i>Megaselia</i> ) – HT	S+P
<i>lichtwardti</i> Schmitz, 1920: 129 ( <i>Tubicera</i> ) – HT	P
<i>limburgensis</i> Schmitz, 1918: 57 ( <i>Megaselia</i> ) – T, CT	P
<i>limpida</i> Schmitz, 1935: 81 ( <i>Phora</i> ) – T, CT	P
<i>longicostalis</i> Wood, 1912: 171 ( <i>Megaselia</i> ) – CT	S
<i>longiseta</i> Schmitz, 1939: 112 ( <i>Macroselia</i> ) – PT, CT	S+P
<i>lucifrons</i> Schmitz, 1918: 58 ( <i>Megaselia</i> ) – T, CT	S+P
<i>luisieri</i> Schmitz, 1939: 13 ( <i>Megaselia</i> ) – T, CT, PT	S+P
<i>luminifrons</i> Schmitz, 1926: 80 ( <i>Megaselia</i> ) – T, CT	S+P
<i>luminosa</i> Schmitz, 1952: 367 ( <i>Megaselia</i> ) – PT	P
<i>lundbecki</i> Schmitz, 1924: 138 ( <i>Pseudaceton</i> ) – HT, T, PT	S
<i>lusitanus</i> Schmitz, 1938: 166 ( <i>Pseudaceton</i> ) – HT	P+S
<i>luteifasciata</i> Borgmeier, 1925: 165 ( <i>Megaselia</i> ) – PT	P
<i>luteifrons</i> (Borgmeier, 1923: 331 <i>Dolirniphora</i> ) – CT	S
<i>luteihalteratus</i> Borgmeier, 1923: 957 ( <i>Apocephalus</i> ) – PT	P
<i>luteipalpis</i> Schmitz, 1923: LXXIX ( <i>Ecitophora</i> ) – PT	P
<i>luteipes</i> Schmitz, 1918: 60 ( <i>Megaselia</i> ) – T	P
<i>luteiventris</i> Schmitz, 1952: 178 ( <i>Gymnophora</i> ) – PT	P
<i>luteilla</i> Schmitz, 1929: 124 ( <i>Megaselia</i> ) – PT	P
<i>luteoides</i> Schmitz, 1926: 54 ( <i>Megaselia</i> ) – PT	P
<i>machadoi</i> Schmitz, 1958: 32 ( <i>Arrenaptenus</i> ) – CT	P
<i>madagascarensis</i> Schmitz, 1915: 490 ( <i>Euryphora</i> ) – PT	P
<i>major</i> Schmitz, 1932: 115 ( <i>Stichilus</i> ) – T	P



<i>manicata</i> Wood, 1910: 246 ( <i>Megaselia</i> ) – T, CT	P
<i>manualis</i> Malloch, 1912: 457 ( <i>Megaselia</i> ) – T	S
<i>marina</i> Schmitz, 1937: 121 ( <i>Megaselia</i> ) – T	S
<i>melanostola</i> Schmitz, 1942: 12 ( <i>Megaselia</i> ) – HT, T	S+P
<i>memorabilis</i> Schmitz, 1927: 99 ( <i>Vervanus</i> ) – HT	S
<i>mendesi</i> Schmitz, 1938: 175 ( <i>Lepta</i> ) – PT	P
<i>meneghetii</i> Schmitz, 1951: 164 ( <i>Puliciphora</i> ) – PT	S
<i>mergelsbergi</i> Schmitz, 1936: 39 ( <i>Termitostroma</i> ) – HT	S
<i>michaelis</i> Schmitz, 1915: 107 ( <i>Megaselia</i> ) – T	P
<i>miki</i> Schmitz, 1929: 127 ( <i>Megaselia</i> ) – ST, PT	S+P
<i>minima</i> Schmitz 1927 ( <i>Diplonevra</i> ) – T	P
<i>minor</i> Beyer, 1958: 20 ( <i>Borophaga</i> ) – CT*	P
<i>minor</i> Zetterstedt, 1848: 2864 ( <i>Megaselia</i> ) – PT	P
<i>minuscula</i> Schmitz, 1953: 290 ( <i>Conicera</i> ) – T, CT	P
<i>mirabilis</i> Wasmann, 1900: 610 ( <i>Termitomyia</i> ) – CT	P
<i>mirifica</i> Schmitz, 1939: 35–36 ( <i>Bothroprosopa</i> ) – T*	P
<i>mixta</i> Schmitz, 1918: 61 ( <i>Megaselia</i> ) – T	S+P
<i>montana</i> Schmitz, 1935: 89 ( <i>Megaselia</i> ) – HT, T	S+P
<i>nasoni</i> Malloch, 1914: 58 ( <i>Megaselia</i> ) – T, PT, CT	P
<i>natalensis</i> Schmitz, 1927: 68, 73 ( <i>Brachyselia</i> ) – PT	P
<i>neotropica</i> Brues, 1919: 503 ( <i>Beckerina</i> ) – PT*	P+S
<b>Remarks:</b> Slide in Beyer collection.	
<i>nepenthina</i> Schmitz, 1955: 65 ( <i>Megaselia</i> ) – PT, CT, T	S+P
<i>nevadae</i> Schmitz, 1957: 242 ( <i>Metopina</i> ) – HT, PT, AL, T, CT	S+P
<i>niger</i> Schmitz, 1939: 99 ( <i>Tarsocrates</i> ) – CT	P
<i>nigra</i> Meigen, 1830: 218 ( <i>Megaselia</i> ) – T	P
<i>nigrans</i> Schmitz, 1935: 57 ( <i>Megaselia</i> ) – HT, PT, CT	S+P
<i>nigriceps</i> Loew, 1866: 53 ( <i>Megaselia</i> ) – T	P
<i>nigrifemorata</i> Santos Abreu, 1921: 44 ( <i>Megaselia</i> ) – HT, T	S+P
<i>nigrita</i> Schmitz, 1932: 119 ( <i>Phalacrotophora</i> ) – T	P
<i>nigriventris</i> Borgmeier, 1959: 194 ( <i>Edaphomyia</i> ) – CT	P
<i>nipponica</i> Schmitz, 1951: 145 ( <i>Triphleba</i> ) – T	P
<i>nobilis</i> Schmitz, 1933: 44 ( <i>Pletlysmochaeta</i> ) – PT	P
<i>norica</i> Schmitz, 1929: 129 ( <i>Megaselia</i> ) – HT	P
<i>novembrina</i> Schmitz, 1943: 180 ( <i>Triphleba</i> ) – T, CT	P
<i>oblongifrons</i> Schmitz, 1939: 181 ( <i>Megaselia</i> ) – HT, T	S+P
<i>obscura</i> Zetterstedt, 1848: 2884 ( <i>Phora</i> ) – T, CT	P
<i>obscurior</i> Schmitz 1939: 88 ( <i>Palpocrates</i> ) – CT	P
<i>obscuripes</i> Schmitz, 1927: 98 ( <i>Menozziola</i> ) – HT	S
<i>obscurus</i> Borgmeier, 1923: 958 ( <i>Apocephalus</i> ) – PT	P
<i>occidentata</i> Malloch, 1912: 438 ( <i>Phora</i> ) – ST, PT, T	P
<i>ocelliscaptus</i> Schmitz, 1955: 48 ( <i>Aenigmatus</i> ) – PT	P
<i>ochripes</i> Schmitz, 1953: 206 ( <i>Megaselia</i> ) – PT, CT, NT	S+P
<i>ocilferia</i> Schmitz, 1939: 184 ( <i>Megaselia</i> ) – HT	P
<i>offuscata</i> Schmitz, 1921: 4 ( <i>Megaselia</i> ) – LT, PT, T	S+P
<i>oldenbergi</i> Schmitz, 1919: 191 ( <i>Vervanus</i> ) – T	P
<i>oligoneura</i> Mik, 1867: 414 ( <i>Metopina</i> ) – PT	S
<i>opacicornis</i> Schmitz, 1949: 79 ( <i>Megaselia</i> ) – HT	S
<i>orbicularis</i> Schmitz, 1914: 536 ( <i>Aenigmatopoeus</i> ) – T	S
<i>orientalis</i> Beyer, 1958: 20 ( <i>Borophaga</i> ) – CT*	P
<i>orientalis</i> Schmitz, 1926: 50 ( <i>Woodiphora</i> ) – HT, T	S+P
<i>oudemansi</i> Schmitz, 1932: 126 ( <i>Phalacrotophora</i> ) – T	P
<i>oxybelorum</i> Schmitz, 1928: 131 ( <i>Megaselia</i> ) – ST	S
<i>pachycera</i> Schmitz 1927 ( <i>Diplonevra</i> ) – LT	P
<i>pachydactyla</i> Schmitz, 1953: 221 ( <i>Megaselia</i> ) – PT, T, CT	S+P
<i>palaestinensis</i> Enderlein, 1933: 208 ( <i>Megaselia</i> ) – PT	P

<i>palliat</i> Schmitz, 1958: 40 ( <i>Morahania</i> ) – CT	P
<i>pallicauda</i> Schmitz, 1934: 152 ( <i>Puliciphora</i> ) – HT	S
<i>palpatus</i> Schmitz, 1938: 169 ( <i>Pseudaceton</i> ) – PT	P
<i>paolii</i> Schmitz, 1928: 11 ( <i>Dolrniophora</i> ) – HT, PT	S
<i>paradoxa</i> Schmitz, 1949: 78 ( <i>Phalacrotophora</i> ) – HT, T	S+P
<i>parumlevata</i> Schmitz, 1936: 80 ( <i>Megaselia</i> ) – HT, PT	S
<i>parvula</i> Schmitz, 1927: 95 ( <i>Woodiphora</i> ) – CT	P
<i>patrizii</i> Schmitz, 1951: 130 ( <i>Psyllomyia</i> ) – PT	S
<i>pauxilla</i> Schmitz, 1920: 108 ( <i>Conicera</i> ) – HT, CT	P
<i>pectinifera</i> Schmitz, 1926: 103 ( <i>Megaselia</i> ) – HT	S+P
<i>pectoralis</i> Wood, 1910: 153 ( <i>Megaselia</i> ) – CT	P
<i>pectorella</i> Schmitz, 1929: 116 ( <i>Megaselia</i> ) – PT, ST, T	S+P
<i>pectunculata</i> Schmitz, 1927: 130 ( <i>Megaselia</i> ) – HT, CT	P
<i>pedatella</i> Schmitz, 1926: 78 ( <i>Megaselia</i> ) – PT*	P+S
<b>Remarks:</b> Slide in Beyer collection.	
<i>penicillata</i> Borgmeier, 1925: 146 ( <i>Megaselia</i> ) – PT	P
<i>penicillata</i> Schmitz, 1920: 122 ( <i>Phora</i> ) – ST	P
<i>perdistans</i> Schmitz, 1924: 17 ( <i>Megaselia</i> ) – T, PT	P
<i>perfusca</i> Schmitz, 1935: 78 ( <i>Megaselia</i> ) – T	P
<i>persecutrix</i> Schmitz, 1932: 129 ( <i>Plastophora</i> ) – ST, PT	S+P
<i>philoterme</i> Schmitz, 1931: 176 ( <i>Dicranopteron</i> ) – HT	P
<i>phoenicura</i> Schmitz, 1926: 81 ( <i>Megaselia</i> ) – PLT	S
<i>picipes</i> Schmitz, 1927: 93 ( <i>Aenigmatias</i> ) – HT	S
<i>pileata</i> Schmitz, 1936: 115 ( <i>Metopina</i> ) – PT, T	S
<i>piliventris</i> Borgmeier, 1925: 186 ( <i>Apocephalus</i> ) – PT	P
<i>pilosella</i> Schmitz 1927:68 ( <i>Diplonevra</i> ) – T	P
<i>pilosior</i> Schmitz, 1955: 230 ( <i>Thaumatoxena</i> ) – PT	S
<i>pinguissima</i> Schmitz, 1936: 38 ( <i>Termitoscrofa</i> ) – CT	P
<i>platypalpis</i> Borgmeier, 1925: 164 ( <i>Apocephalus</i> ) – PT	P
<i>pollex</i> Schmitz, 1937: 124 ( <i>Megaselia</i> ) – T, CT	P+S
<i>portentum</i> Schmitz, 1925: 40 ( <i>Trophithauma</i> ) – T	S
<i>posticata</i> Strobl, 1898: 591 ( <i>Megaselia</i> ) – T	P
<i>praeacuta</i> Schmitz, 1919: 115 ( <i>Megaselia</i> ) – HT	S
<i>praepandens</i> Schmitz, 1927: 153 ( <i>Phora</i> ) – ST, PT, LT, PLT	S+P
<i>pressifrons</i> Schmitz, 1929: 37 ( <i>Megaselia</i> ) – PT	P
<i>prolongata</i> Schmitz, 1954: 610 ( <i>Megaselia</i> ) – CT	P
<i>prorsa</i> Schmitz, 1926: 75 ( <i>Woodiphora</i> ) – PT	P
<i>protarsalis</i> Schmitz, 1927: 114 ( <i>Megaselia</i> ) – PT, T, CT	P
<i>pubecula</i> Schmitz, 1927: 116 ( <i>Megaselia</i> ) – ST, T, CT	S+P
<i>pubipes</i> Schmitz, 1920: 123 ( <i>Phora</i> ) – ST	P
<i>pulcherrima</i> Santos Abreu, 1921: 20 ( <i>Megaselia</i> ) – T	P
<i>punctifrons</i> Brues, 1924: 207 ( <i>Phalacrotophora</i> ) – HT, AT*	P+S
<b>Remarks:</b> Slide in Beyer collection.	
<i>quadrinaculata</i> Schmitz, 1926: 49 ( <i>Phalacrotophora</i> ) – HT, T*	P+S
<b>Remarks:</b> Slide in Beyer collection.	
<i>quadriseta</i> Schmitz, 1941: 34 ( <i>Megaselia</i> ) – HT, PT	S
<i>raetica</i> Schmitz, 1934: 20 ( <i>Megaselia</i> ) – HT, PT	S+P
<i>reichenspergeri</i> Schmitz, 1951: 79 ( <i>Termitostroma</i> ) – PT	S
<i>reichenspergeri</i> Borgmeier, 1923: 178 ( <i>Homalophora</i> ) – PT	P
<i>renidens</i> Schmitz, 1927: 36 ( <i>Triphleba</i> ) – T, CT	P
<i>rivalis</i> Wood, 1909: 26 ( <i>Megaselia</i> ) – T, CT	P
<i>robusta</i> Schmitz, 1928: 30 ( <i>Megaselia</i> ) – HT, CT	S+P
<i>romphaea</i> Schmitz, 1947: 114 ( <i>Plastophora</i> ) – HT, ST	S+P
<i>rostratum</i> Schmitz, 1924: 300 ( <i>Assmutherium</i> ) – ST, T	S+P
<i>rubella</i> Schmitz, 1920: 148 ( <i>Megaselia</i> ) – CT, PT	S+P
<i>rubicornis</i> Schmitz, 1919: 193 ( <i>Megaselia</i> ) – HT	S



<i>rufa</i> Wood, 1908: 170 ( <i>Megaselia</i> ) – T	P
<i>rufipalpis</i> Schmitz 1939: 86 ( <i>Palpocrates</i> ) – CT	P
<i>rufithorax</i> Schmitz, 1939: 98 ( <i>Triphleba</i> ) – CT	P
<i>rupestris</i> Schmitz, 1934: 30 ( <i>Megaselia</i> ) – HT	S+P
<i>ruralis</i> Schmitz, 1937: 120 ( <i>Megaselia</i> ) – HT	S
<i>sanguinea</i> Schmitz, 1922: 98 ( <i>Megaselia</i> ) – HT	S
<i>scabra</i> Schmitz, 1926: 56 ( <i>Megaselia</i> ) – T, PT	S+P
<i>scalaris</i> Loew, 1866: 53 ( <i>Megaselia</i> ) – T	P
<i>schmitzi</i> Menozzi, 1921: 70 ( <i>Menozziola</i> ) – HT	S
<i>schmitzi</i> Reichensperger, 1931: 299 ( <i>Termitostroma</i> ) – LT, CT	S+P
<i>schnittuaumi</i> Schmitz, 1926: 126 ( <i>Conicera</i> ) – CT, PT	P
<i>schutti</i> Schmitz, 1936: 190 ( <i>Megaselia</i> ) – HT, T	S+P
<i>secundus</i> Schmitz, 1928: 102 ( <i>Chonocephalus</i> ) – LT	S
<i>senifurcata</i> Borgmeier, 1923: 629 ( <i>Chaetoplenrophora</i> ) – PT	P
<i>senilutea</i> Schmitz, 1953: 308 ( <i>Pletlysmochaeta</i> ) – CT	P+S
<i>septentrionalis</i> Schmitz, 1919: 194 ( <i>Megaselia</i> ) – HT	S
<i>serialis</i> Schmitz, 1938: 165 ( <i>Menozziola</i> ) – H	P
<i>sesquicornis</i> Schmitz 1927: 59 ( <i>Diplonevra</i> ) – ST	P
<i>setulipalpis</i> Schmitz, 1938: 187 ( <i>Megaselia</i> ) – HT, CT	S+P
<i>sinuifrons</i> Schmitz, 1934: 31 ( <i>Megaselia</i> ) – T	P
<i>sinuata</i> Schmitz, 1926: 105 ( <i>Megaselia</i> ) HT, T, CT	S+P
<i>sobria</i> Schmitz, 1936: 71 ( <i>Conicera</i> ) – T	P
<i>sodalis</i> Schmitz, 1951: 144 ( <i>Aenigmatopoeus</i> ) – PT	S+P
<i>solitaria</i> Schmitz, 1934: 65 ( <i>Megaselia</i> ) – HT, T	S+P
<i>sordescens</i> Schmitz, 1927: 129 ( <i>Megaselia</i> ) – HT, PT, CT	S+P
<i>sordida</i> Zetterstedt, 1838: 796 ( <i>Megaselia</i> ) – CT	P
<i>specularis</i> Schmitz, 1935: 81 ( <i>Megaselia</i> ) – HT, T	S+P
<i>speiseri</i> Schmitz, 1929: 124 ( <i>Megaselia</i> ) – HT, T	S+P
<i>spinosa</i> Schmitz, 1935: 71 ( <i>Chaetoplenrophora</i> ) – T	P
<i>spiniosior</i> Schmitz, 1938: 180 ( <i>Chaetoplenrophora</i> ) – T, CT	P
<i>spiracularis</i> Schmitz, 1938: 81 ( <i>Megaselia</i> ) – HT, PT	P
<i>spodiaca</i> Schmitz, 1926: 78 ( <i>Megaselia</i> ) – HT	S
<i>stictica</i> Meigen, 1830: 225 ( <i>Phora</i> ) – CT	P
<i>stigmatica</i> Schmitz 1920: 118 ( <i>Megaselia</i> ) – T	S+P
<i>striolata</i> Schmitz, 1940: 50 ( <i>Megaselia</i> ) – HT, PT, CT	S+P
<i>strobbli</i> Becker, 1901: 36 ( <i>Spiniphora</i> ) – HT	P
<i>subconpleta</i> Schmitz, 1927: 34 ( <i>Triphleba</i> ) – T, CT	P
<i>subfraudulenta</i> Schmitz, 1933: 100 ( <i>Megaselia</i> ) – HT, PT	P
<i>subfuscipes</i> Schmitz, 1935: 93 ( <i>Megaselia</i> ) – HT, CT	S+P
<i>subnudipennis</i> Schmitz, 1919: 117 ( <i>Megaselia</i> ) – T	P
<i>subpalpalis</i> Lundbeck, 1920: 18 ( <i>Megaselia</i> ) – PT	P
<i>subscaura</i> Schmitz, 1932: 129 ( <i>Megaselia</i> ) – CT	P
<i>sudanica</i> Schmitz, 1939: 261, 266 ( <i>Thanmatoxena</i> ) – HT	S
<i>sulphuripes</i> Meigen, 1830: 219 ( <i>Megaselia</i> ) – T	S
<i>sulphuriventris</i> Borgmeier & Schmitz, 1923: 130 ( <i>Megaselia</i> ) – PT	P
<i>superpilosa</i> Bridarolli, 1951: 52 ( <i>Megaselia</i> ) – CT	P
<i>surdifrons</i> Wood, 1909: 27 ( <i>Megaselia</i> ) – T	P
<i>tama</i> Schmitz, 1926: 77 ( <i>Megaselia</i> ) – HT, PT, T, CT	S+P
<i>tarsalis</i> Schmitz, 1920: 108 ( <i>Conicera</i> ) – HT, T	S+P
<i>tarsicia</i> Schmitz, 1926: 101 ( <i>Megaselia</i> ) – PT, CT	P
<i>tenebricola</i> Schmitz, 1934: 32 ( <i>Megaselia</i> ) – HT	P
<i>teneripes</i> Schmitz, 1957: 237 ( <i>Megaselia</i> ) – T	S+P
<i>termitoliphila</i> Schmitz, 1913: 268 ( <i>Bolsiusia</i> ) – HT	S
<i>termitum</i> Schmitz, 1926: 15 ( <i>Puliciphora</i> ) – ST	S
<i>testacea</i> Schmitz, 1938: 192 ( <i>Megaselia</i> ) – HT	P
<i>thalhammeri</i> Schmitz, 1935: 8 ( <i>Megaselia</i> ) – HT, T	S+P

<i>tibialis</i> Schmitz, 1925: 119 ( <i>Conicera</i> ) – CT	P
<i>tiucta</i> Schmitz, 1920: 124 ( <i>Phora</i> ) – LT, PLT	P
<i>tobaica</i> Schmitz, 1931: 469 ( <i>Endonepenthia</i> ) – CT	P
<i>tonnoiri</i> Schmitz, 1939: 67 ( <i>Autipodiphora</i> ) – CT	P
<i>transparentis</i> Schmitz, 1922: 35 ( <i>Triphleba</i> ) – T, CT	P
<i>transvaalensis</i> Schmitz, 1940: 65 ( <i>Aenigmatus</i> ) – PT	P
<i>trichopleura</i> Borgmeier, 1924: 172 ( <i>Brachycephaloptera</i> ) – PT	P
<i>tripliciseta</i> Schmitz & Wirth, 1954: 116 ( <i>Phora</i> ) – PT	P
<b>Remarks:</b> Genitalia dissected, in microvial.	
<i>triquetra</i> Schmitz, 1927: 129 ( <i>Megaselia</i> ) – HT, T	S+P
<i>trochanteralis</i> Schmitz, 1953: 209 ( <i>Metopina</i> ) – T	S+P
<i>trochanterica</i> Schmitz, 1926: 53 ( <i>Megaselia</i> ) – HT	S
<i>trogodytica</i> Schmitz, 1950: 113 ( <i>Megaselia</i> ) – T, CT	P
<i>tumidula</i> Schmitz, 1918: 33 ( <i>Triphleba</i> ) – ST	S
<i>ultrabrevis</i> Schmitz, 1937: 126 ( <i>Megaselia</i> ) – CT	S+P
<i>umbrata</i> Schmitz, 1936: 74 ( <i>Exochaeta</i> ) – HT, PT	S
<i>undulans</i> Schmitz, 1940: 55 ( <i>Megaselia</i> ) – CT, T, PT	S+P
<i>unicolor</i> Schmitz, 1919: 113 ( <i>Megaselia</i> ) – T, PT	P
<i>unisetalis</i> Schmitz 1935: 5 ( <i>Diplonevra</i> ) – PLT	P
<i>unispinalis</i> Schmitz 1927: 60 ( <i>Diplonevra</i> ) – PLT	P
<i>ustulata</i> Schmitz, 1920: 150 ( <i>Megaselia</i> ) – HT, T	S
<i>uvirana</i> Schmitz, 1955: 65 ( <i>Termitophilomyia</i> ) – CT	S+P
<i>valvata</i> Schmitz, 1935: 10 ( <i>Megaselia</i> ) – T	P
<i>varians</i> Schmitz, 1929: 29 ( <i>Tropophleba</i> ) – PT	S
<i>variegata</i> Schmitz, 1937: 140 ( <i>Megaselia</i> ) – T, CT	P
<i>vectabilis</i> Brues, 1913: 336 ( <i>Plethysmochaeta</i> ) – PT	P
<i>vidua</i> Schmitz 1937: 139 ( <i>Kuenburgia</i> ) – T, CT	P
<i>villicauda</i> Schmitz, 1927: 143 ( <i>Megaselia</i> ) – HT, PT	P
<i>virilis</i> Schmitz, 1919: 116 ( <i>Megaselia</i> ) – T, PT	S+P
<i>vittipennis</i> Schmitz, 1932: 121 ( <i>Phalacrotophora</i> ) – HT, T*	P+P
<b>Remarks:</b> slide in Beyer collection.	
<i>waagei</i> Schmitz, 1935: 70 ( <i>Megaselia</i> ) – HT, T	S+P
<i>wasmanni</i> Schmitz, 1928: 67 ( <i>Xanionotum</i> ) – ST	S
<i>wasmanni</i> Schmitz, 1938: 24 ( <i>Indoxenia</i> ) – HT, CT	S+P
<i>xanthogastra</i> Schmitz, 1940: 54 ( <i>Megaselia</i> ) – HT, PT	P
<i>zikani</i> Schmitz, 1924: 33 ( <i>Cremersia</i> ) – PT	P

#### TYPES IN THE BEYER COLLECTION

AL – allotype, CT – cotype, HT – holotype, LT – lectotype, PT – paratype, T – type, ST – syntype, S – microscope slide, P – pinned  
 (\* Also in the Schmitz collection)

<i>abalienata</i> Beyer, 1965: 17 ( <i>Megaselia</i> ) – T	S
<i>abalienata</i> Beyer, 1965: 172 ( <i>Diplonevra</i> ) – T	S
<i>abdominalis</i> Beyer, 1958: 57 ( <i>Megaselia</i> ) – PT	S+P
<i>aestiva</i> Beyer, 1966: 18 ( <i>Megaselia</i> ) – PT	S+P
<i>amplificosta</i> Beyer, 1958: 57, 64 ( <i>Megaselia</i> ) – PT	S+P
<i>anomaliseta</i> Beyer, 1958: 57, 63 ( <i>Megaselia</i> ) – PT	S+P
<i>auticonigra</i> Beyer, 1958: 46 ( <i>Megaselia</i> ) – PT	S+P
<i>antignensis</i> Malloch, 1912: 502 ( <i>Pseudaceton</i> ) – PT	P
<i>apicalis</i> Brues, 1936: 366 ( <i>Spiniphora</i> ) – PT	P
<i>apicinebula</i> Beyer 1958: 16 ( <i>Dohrniphora</i> ) – PT, CT*	P
<i>appendiculata</i> Brues, 1936: 377, 435 ( <i>Megaselia</i> ) – Al	S
<i>appetens</i> Beyer, 1965: 83 ( <i>Megaselia</i> ) – PT	S
<i>armigera</i> Borgmeier, 1925: 162 ( <i>Diocophora</i> ) – PT	P
<i>artangula</i> Beyer, 1965: 93 ( <i>Megaselia</i> ) – PT, T	S



<i>atricornis</i> Beyer, 1958: 46 ( <i>Megaselia</i> ) – PT, CT	P
<i>australis</i> Beyer, 1966: 171 ( <i>Paraphiura</i> ) – T	S
<i>basilewskyi</i> Beyer, 1960: 413 ( <i>Diplonevra</i> ) – T	S
<i>basitarsalis</i> Beyer, 1964: 380 ( <i>Megaselia</i> ) – T	S+P
<i>biseta</i> Beyer, 1960: 26 ( <i>Megaselia</i> ) – PT	S
<i>boninensis</i> Beyer, 1967: 336 ( <i>Megaselia</i> ) – T	S
<i>borgmeieri</i> Beyer, 1965: 109 ( <i>Megaselia</i> ) – PT	S
<i>breviuscula</i> Brues, 1924: 211 ( <i>Megaselia</i> ) – T	S
<i>brunella</i> Beyer, 1958: 32 ( <i>Conicera</i> ) – PT	P
<i>brunneicornis</i> Beyer, 1958: 28 ( <i>Stichillus</i> ) – PT, CT*	P
<i>burmensis</i> Beyer, 1958: 57 ( <i>Megaselia</i> ) – PT	P
<i>burmicola</i> Beyer, 1958: 34 ( <i>Beckerina</i> ) – PT, CT*	S+P
<i>capensis</i> Beyer, 1959: 380 ( <i>Megaselia</i> ) – T	S
<i>chrysophora</i> Beyer, 1967: 335 ( <i>Megaselia</i> ) – HT	S+P
<i>colyeri</i> Beyer, 1966: 182 ( <i>Megaselia</i> ) – T	S
<i>comans</i> Beyer, 1958: 4 ( <i>Burmophora</i> ) – PT	S
<i>completior</i> Beyer, 1958: 34 ( <i>Macroselia</i> ) – PT	S+P
<i>conflugens</i> Borgmeier, 1964: 293 ( <i>Megaselia</i> ) – PT	P
<i>consobrina</i> Beyer, 1958: 40 ( <i>Megaselia</i> ) – PT	P
<i>costella</i> Beyer, 1965: 161 ( <i>Megaselia</i> ) – T	S
<i>criniloba</i> Beyer, 1966: 197 ( <i>Megaselia</i> ) – T	S
<i>crosskeyi</i> Beyer, 1965: 174 ( <i>Megaselia</i> ) – T	S
<i>ctenochaeta</i> Beyer, 1958: 9 ( <i>Triphleba</i> ) – PT, CT*	P
<i>ctenophora</i> Beyer, 1965: 101 ( <i>Megaselia</i> ) – T	S
<i>curiosa</i> Beyer, 1958: 36 ( <i>Egregiophora</i> ) – PT, CT*	S+P
<i>curtibarba</i> Beyer, 1964: 278 ( <i>Megaselia</i> ) – PT	S
<i>curtissima</i> Beyer, 1967: 336 ( <i>Megaselia</i> ) – PT	S+P
<i>deceptor</i> Beyer, 1966: 168 ( <i>Stichillus</i> ) – Al	S
<i>deceptrix</i> Beyer, 1966: 202 ( <i>Megaselia</i> ) – PT	S
<i>dennerti</i> Disney & Beyer, 2005: 155 ( <i>Megaselia</i> ) – T	S
<i>densior</i> Schmitz, 1927: 131 ( <i>Megaselia</i> ) – ST	S
<i>dichroma</i> Beyer, 1958: 57 ( <i>Megaselia</i> ) – PT	S+P
<i>difficilis</i> Malloch, 1912: 484 ( <i>Megaselia</i> ) – PT	P
<i>discolor</i> Beyer, 1958: 39 ( <i>Megaselia</i> ) – T	S
<i>discrepans</i> Beyer, 1965: 202 ( <i>Mollicanda</i> ) – T	S
<i>discrepans</i> Borgmeier, 1971: 52 ( <i>Megaselia</i> ) – T	S
<i>dreisbachi</i> Borgmeier, 1964: 332 ( <i>Megaselia</i> ) – PT	S+P
<i>elongatus</i> Beyer, 1959: 55, 56 ( <i>Aenigmatistes</i> ) – PT	P
<i>eumimeta</i> Beyer, 1959: 23 ( <i>Borophaga</i> ) – PT	S
<i>excisa</i> Beyer, 1966: 187 ( <i>Megaselia</i> ) – T	S
<i>excisoides</i> Beyer, 1966: 188 ( <i>Megaselia</i> ) – T	S
<i>fallax</i> Beyer, 1958: 27 ( <i>Stichillus</i> ) – PT	P
<i>fimbriiterga</i> Beyer, 1966: 177 ( <i>Phalacrotophora</i> ) – T	S
<i>flarifrons</i> Beyer, 1958: 39 ( <i>Megaselia</i> ) – HT	S
<i>flavibasis</i> Beyer, 1958: 57 ( <i>Megaselia</i> ) – PT	P
<i>forticosta</i> Beyer, 1958: 57 ( <i>Megaselia</i> ) – PT	P
<i>fraudans</i> Beyer, 1960: 1 ( <i>Dohrniphora</i> ) – PT	S+P
<i>fraudulatrix</i> Beyer, 1958: 46 ( <i>Megaselia</i> ) – PT	S+P
<i>frontalis</i> Borgmeier, 1958: 310 ( <i>Neophora</i> ) – CT	P
<i>frontella</i> Beyer, 1966: 209 ( <i>Megaselia</i> ) – PT	S+P
<i>furcatilis</i> Beyer, 1964: 279 ( <i>Megaselia</i> ) – PT	S
<i>furcellans</i> Beyer, 1966: 186 ( <i>Megaselia</i> ) – T	S
<i>gigantea</i> Beyer, 1966: 175 ( <i>Phalacrotophora</i> ) – PT	S+P
<i>gressitti</i> Beyer, 1966: 173 ( <i>Phalacrotophora</i> ) – PT	S+P

<i>gressitti</i> Beyer, 1967: 336 ( <i>Megaselia</i> ) – PT	S
<i>hercules</i> Beyer, 1965: 13 ( <i>Diplonevra</i> ) – PT	S
<i>heterochaeta</i> Beyer, 1966: 202 ( <i>Megaselia</i> ) – PT	S+P
<i>inexpectata</i> Beyer, 1958: 71 ( <i>Gymnophora</i> ) – PT	S+P
<i>inflata</i> Beyer, 1958: 21 ( <i>Borophaga</i> ) – PT	S+P
<i>insperatus</i> Brues, 1911: 439 ( <i>Stichillus</i> ) – T*	P
<i>irregularis</i> Beyer, 1958: 46 ( <i>Megaselia</i> ) – PT	S+P
<i>jheringi</i> Borgmeier, 1923: 158 ( <i>Megaselia</i> ) – PT	P
<i>kerteszi</i> Enderlein, 1912: 48 ( <i>Pseudohypocera</i> ) – PT	P
<i>leleupi</i> Beyer, 1960: 421 ( <i>Megaselia</i> ) – T	S
<i>lougibarba</i> Beyer, 1964: 283 ( <i>Megaselia</i> ) – PT	S+P
<i>lucida</i> Beyer, 1958: 14 ( <i>Diplonevra</i> ) – PT	P
<i>lucida</i> Bridarolli, 1937: 64 ( <i>Megaselia</i> ) – CT	P
<i>maculiterga</i> Beyer, 1958: 70 ( <i>Phalacrotophora</i> ) – HT	S
<i>magna</i> Beyer, 1959: 72 ( <i>Megaselia</i> ) – HT	S
<i>malaisei</i> Beyer, 1958: 46 ( <i>Megaselia</i> ) – PT, CT	S+P
<i>manca</i> Brues, 1907: 408 ( <i>Megaselia</i> ) – T	S
<i>maranguensis</i> Beyer, 1960: 2 ( <i>Megaselia</i> ) – T	S
<i>maruorata</i> Schmitz, 1929: 41 ( <i>Plethysmochaeta</i> ) – T	S
<i>micronesiae</i> Beyer, 1967: 336 ( <i>Megaselia</i> ) – T, PT	S+P
<i>mixticolor</i> Beyer, 1958: 40 ( <i>Megaselia</i> ) – PT	P
<i>morenifrons</i> Borgmeier, 1967: 62 ( <i>Megaselia</i> ) – T	S
<i>morosa</i> Beyer, 1965: 69 ( <i>Megaselia</i> ) – PT	P
<i>necrophaga</i> Enderlein, 1912: 49 ( <i>Megaselia</i> ) – PT	P
<i>uedae</i> Malloch, 1912: 448 ( <i>Phalacrotophora</i> ) – PT	P
<i>nepheloptera</i> Beyer, 1966: 212 ( <i>Metopina</i> ) – T	S
<i>nigribasis</i> Beyer, 1966: 200 ( <i>Megaselia</i> ) – T	S
<i>nipponensis</i> Beyer, 1958: 104 ( <i>Spiniphora</i> ) – PT	S
<i>notabilis</i> Beyer, 1965: 178 ( <i>Megaselia</i> ) – T	S
<i>novaguineae</i> Beyer, 1966: 166 ( <i>Diplonevra</i> ) – T	S
<i>obscurata</i> Enderlein, 1912: 35 ( <i>Megaselia</i> ) – T	S
<i>offuscata</i> Schmitz, 1921: 4 ( <i>Megaselia</i> ) – ST	S
<i>pachycostalis</i> Borgmeier, 1923: 51 ( <i>Borophaga</i> ) – CT	P
<i>pallidanteunata</i> Beyer, 1965: 155 ( <i>Megaselia</i> ) – T	S
<i>palpella</i> Beyer, 1967: 336 ( <i>Megaselia</i> ) – PT	S+P
<i>parvicornis</i> Borgmeier, 1958: 383 ( <i>Paraphiochaeta</i> ) – CT	P
<i>peniculifera</i> Beyer, 1965: 107 ( <i>Megaselia</i> ) – PT	S
<i>pentagonalis</i> Beyer, 1929: 61 ( <i>Ceratophoromyia</i> ) – PT	P
<i>percaeca</i> Beyer, 1965: 122 ( <i>Megaselia</i> ) – T	S
<i>perlonga</i> Beyer, 1966: 174 ( <i>Phalacrotophora</i> ) – T	S
<i>pertincta</i> Beyer, 1958: 39 ( <i>Megaselia</i> ) – T	S
<i>phoenicura</i> Schmitz, 1926: 81 ( <i>Megaselia</i> ) – T	S
<i>pilosella</i> Beyer, 1965: 130 ( <i>Megaselia</i> ) – T	S
<i>politifrons</i> Brues, 1936: 378 ( <i>Megaselia</i> ) – T	S
<i>priscus</i> Beyer, 1959: 55, 58 ( <i>Aenigmatistes</i> ) – PT	P
<i>proclinans</i> Beyer, 1965: 39 ( <i>Phalacrotophora</i> ) – AL	S
<i>rhenana</i> Beyer & Schmitz, 1957: 233 ( <i>Metopina</i> ) – T, PT*	P
<i>rlynchophora</i> Beyer, 1960: 414 ( <i>Dohrniphora</i> ) – T	S
<i>rufibasis</i> Beyer, 1959: 2 ( <i>Borophaga</i> ) – PT	P
<i>rutilipes</i> Beyer, 1958: 57 ( <i>Megaselia</i> ) – PT	S+P
<i>secretata</i> Beyer, 1958: 57 ( <i>Megaselia</i> ) – PT, T	S+P
<i>sejuncta</i> Beyer, 1967: 335 ( <i>Megaselia</i> ) – PT	P
<i>semirufa</i> Beyer, 1958: 24 ( <i>Hypocera</i> ) – PT*	S+P
<i>sextaperta</i> Beyer, 1958: 46 ( <i>Megaselia</i> ) – PT	P



<i>sextosetosa</i> Beyer, 1966: 204 ( <i>Megaselia</i> ) – T	S
<i>siamensis</i> Beyer, 1966: 188 ( <i>Megaselia</i> ) – T	S
<i>simia</i> Beyer, 1965: 26 ( <i>Borophaga</i> ) – PT	S
<i>simillima</i> Beyer, 1958: 30 ( <i>Anervrina</i> ) – PT	S
<i>simiola</i> Borgmeier, 1966: 78 ( <i>Megaselia</i> ) – T	S+P
<i>simiolus</i> Beyer, 1964: 300 ( <i>Conocephalus</i> ) – PT	S
<i>sokotrana</i> Beyer, 1965: 60 ( <i>Megaselia</i> ) – PT	S+P
<i>solomonis</i> Beyer, 1967: 266 ( <i>Woodiphora</i> ) – T	S
<i>speculiclara</i> Beyer, 1958: 7 ( <i>Triphleba</i> ) – PT, HT*	P
<i>sphaeropyge</i> Beyer, 1958: 30 ( <i>Anervina</i> ) – PT	S+P
<i>spinulicosta</i> Beyer, 1965: 19 ( <i>Hypocerides</i> ) – T	S
<i>subagilis</i> Beyer, 1958: 22 ( <i>Borophaga</i> ) – PT	S+P
<i>subnudiseta</i> Beyer, 1958: 40 ( <i>Megaselia</i> ) – HT	S
<i>subsinuosus</i> Beyer, 1958: 29 ( <i>Stichillus</i> ) – PT, CT*	P
<i>subulicanda</i> Schmitz, 1929: 39 ( <i>Megaselia</i> ) – PT	S+P
<i>tenebricior</i> Beyer, 1967: 336 ( <i>Megaselia</i> ) – T	S
<i>tenericoma</i> Beyer, 1965: 168 ( <i>Megaselia</i> ) – PT	S
<i>tenuibasis</i> Beyer, 1960: 419 ( <i>Megaselia</i> ) – T	S
<i>tenuivena</i> Beyer, 1958: 8 ( <i>Triphleba</i> ) – PT	S
<i>tetricifrons</i> Beyer, 1967: 336 ( <i>Megaselia</i> ) – PT	S
<i>texanus</i> Greene, 1938: 182 ( <i>Myrnosicarius</i> ) – PT	P
<i>thoracalis</i> Beyer, 1958: 17 ( <i>Borophaga</i> ) – PT	P
<i>tokyoensis</i> Beyer, 1966: 184 ( <i>Plastophora</i> ) – T	S
<i>unispinosa</i> Zetterstedt, 1860: 6475 ( <i>Anevrina</i> ) – PT	P
<i>varians</i> Beyer, 1958: 12 ( <i>Diplonevra</i> ) – PT, CT*	S+P
<i>vernalis</i> Wood, 1909: 119 ( <i>Megaselia</i> ) – T	S
<i>vernicea</i> Beyer, 1966: 176 ( <i>Phalacrotophora</i> ) – T	S
<i>vernica</i> Beyer, 1966: 210 ( <i>Megaselia</i> ) – T	S
<i>xanthopyge</i> Beyer, 1965: 142 ( <i>Megaselia</i> ) – T	S
<i>zebrina</i> Beyer, 1964: 288 ( <i>Megaselia</i> ) – PT	S

#### Family: Pipunculidae

*goennersdorfeusis* Dempewolf & Dunk, 1996: 93 (*Eudorylas*) – male HT; 20 males, 19 females PT (all in alc.)

*johnenae* Dempewolf, 1996: 89 (*Eudorylas*) – male HT (in alc.)

**Remarks:** Genitalia dissected in separate tube.

*viueti* Dempewolf, 1996: 87 (*Eudorylas*) – female HT; 1 male, 7 females PT (all in alc.)

*vonderdunki* Dempewolf, 1998: 535 (*Eudorylas*) – male HT; 22 males PT (all in alc.)

#### REFERENCES

- Dempewolf M (1996) Taxonomical notes on west palaeartic Pipunculidae including the description of two new *Eudorylas* species (Diptera). *Studia dipterologica* 3: 87–92
- Dempewolf M (1998) On the taxonomy of two German pipunculid flies with remarks on the terminology of the male genitalia. *Beiträge zur Entomologie* 48: 531–537
- Dempewolf M, Dunk K von der (1996) A new *Eudorylas* species from southern and western Germany (Diptera, Pipunculidae). *Studia dipterologica* 3: 93–96

#### Family: Platystomatidae

*polistiformis flavipilosa* Enderlein, 1924: 102 (*Xenaspis*) – 1 male ST

**Remarks:** Synonym of *polistiformis* Enderlein.

#### REFERENCES

- Enderlein G (1924) Beiträge zur Kenntnis der Platystominen. *Mitteilungen aus dem Zoologischen Museum in Berlin* 11: 97–153

#### Family: Psychodidae

*andalusica* Wagner, 1979: 195 (*Saraiella*) – male HT; 1 male PT

**Remarks:** Mounted on microscope slide.

*magna* Wagner, 1979: 183 (*Saraiella*) – male HT; 1 male PT

**Remarks:** Mounted on microscope slide.

## REFERENCES

Wagner R (1979) Zwei neue Psychodiden (Diptera: Psychodidae). *Entomologische Zeitschrift* 89: 193–196

## Family: Ptychopteridae

*helena* Peus, 1958: 31 (*Liriope*) – 2 males, 1 female PT  
*lugoi* Tjeder, 1968: 78 (*Ptychoptera*) – 1 male PT (in alc.)

## REFERENCES

Peus F (1958) 10b. Liriopeidae. In: Lindner, E. (ed.) *Die Fliegen der palaearktischen Region* 3(1), Lief. 200: 10–44  
Tjeder B (1968) Notes on the Scandinavian Ptychopteridae, with description of a new species (Diptera). *Opuscula Entomologica* 33(1/2): 73–79

## Family: Sciaridae

The following is a preliminary list obtained from Menzel & Mohrig (2000). The material is on long term loan to Dr. F. Menzel and all type material has not yet been completely documented and identified. All present generic combinations are from Menzel & Mohrig (2000).

*aestivalis* Winnertz, 1871: 853 (*Sciara*) – male LT  
**Remarks:** Synonym of *B. pauperata* (Winnertz).  
*alacris* Winnertz, 1867: 76 (*Sciara*) – male LT  
**Remarks:** Synonym of *B. nitidicollis* (Meigen).  
*alua* Winnertz, 1871: 860 (*Sciara*) – male LT  
**Remarks:** Synonym of *B. amoena* (Winnertz).  
*amoena* Winnertz, 1867: 114 (*Sciara*) – 1 male PLT  
**Remarks:** Assigned to *Bradysia* Winnertz.  
*aprica* Winnertz, 1867: 161 (*Sciara*) – male LT  
**Remarks:** Assigned to *Bradysia*.  
*auripila* Winnertz, 1867: 163 (*Sciara*) – male LT; 1 male PLT  
**Remarks:** Assigned to *Lycoriella* Frey.  
*autumnalis* Winnertz, 1867: 144 (*Sciara*) – male LT  
**Remarks:** Synonym of *Ctenosciara hyalipennis* (Meigen).  
*betuleti* Lengersdorf, 1940: 25 (*Neosciara*) – male LT  
**Remarks:** Synonym of *B. hilaris* (Winnertz).  
*bicuspidata* Lengersdorf, 1926: 249 (*Sciara*) – 1 male PLT  
**Remarks:** Assigned to *Corynoptera* Winnertz.  
*bistrispina* Bukowski & Lengersdorf, 1936: 109 (*Neosciara*) – male LT  
**Remarks:** Assigned to *Corynoptera*.  
*blanda* Winnertz, 1867: 152 (*Sciara*) – male LT  
**Remarks:** Assigned to *Corynoptera*.  
*brachialis* Winnertz, 1867: 155 (*Sciara*) – male LT  
**Remarks:** Synonym of *Cratyna (Spathobdella) nobilis* (Winnertz).

*brachypeunis* Lengersdorf, 1926: 4 (*Bradysia*) – female LT  
**Remarks:** Assigned to *Corynoptera*.  
*brevicubitalis* Lengersdorf, 1926: 6 (*Sciara*) – female LT  
**Remarks:** Assigned to *Lycoriella*.  
*bruckii* Winnertz, 1867: 38 (*Sciara*) – male LT  
**Remarks:** Assigned to *Pseudolycoriella* Menzil & Mohrig  
*brunnea* Bukowski & Lengersdorf, 1936: 107 (*Neosciara*) – male LT  
**Remarks:** Assigned to *Pseudolycoriella*.  
*castanescens* Lengersdorf, 1940: 28 (*Neosciara*) – male LT  
**Remarks:** Assigned to *Lycoriella*.  
*cellaris* Lengersdorf, 1934: 24 (*Neosciara*) – male LT  
**Remarks:** Assigned to *Lycoriella*.  
*concinua* Winnertz, 1867: 150 (*Sciara*) – male LT  
**Remarks:** Assigned to *Corynoptera*.  
*corticalis* Lengersdorf, 1930: 38 (*Lycoria (Neosciara)*) – male LT  
**Remarks:** Synonym of *Cratyna (Cratyna) atra* Winnertz.  
*cuniculata* Lengersdorf, 1942: 433 (*Neosciara*) – male LT; 7 males, 2 females PLT  
**Remarks:** Assigned to *Corynoptera*.  
*curviforceps* Bukowski & Lengersdorf, 1936: 108 (*Neosciara*) – male LT  
**Remarks:** Assigned to *Scatopsciara* Edwards.  
*curviligula* Lengersdorf, 1952: 45 (*Neosciara*) – male LT  
**Remarks:** Assigned to *Corynoptera*; synonym of *clanda* (Winnertz).  
*daluatina* Lengersdorf, 1937: 140 (*Neosciara*) – male LT; 1 male PLT  
**Remarks:** Assigned to *Bradysia*.  
*delicata* Lengersdorf, 1935: 75 (*Neosciara*) – male LT; 3 females PLT  
**Remarks:** Assigned to *Camptochaeta*.  
*detricola* Kratochvil, 1936: 14 (*Vimmeria (Lengersdorffia)*) – male LT; 1 female PLT  
**Remarks:** Assigned to *Epidapus* Haliday.  
*dispar* Schmitz, 1927: 28 (*Pnyxia*) – male LT; 1 male, 1 female PLT  
**Remarks:** Synonym of *Pnyxia scabiei* (Hopkins).  
*diversiabdominalis* Lengersdorf, 1941: 65 (*Neosciara*) – 7 males, 6 females PLT  
**Remarks:** Assigned to *Bradysia*.  
*elegans* Winnertz, 1867: 27 (*Sciara*) – male LT  
**Remarks:** Synonym of *Leptosciarella scutellara* (Staeger).  
*elongata* Winnertz, 1867: 49 (*Sciara*) – male LT  
**Remarks:** Synonym of *Leptosciarella rejecta* (Staeger).  
*falcifera* Lengersdorf, 1933: 250 (*Plastosciara*) – male LT  
**Remarks:** Assigned to *Cratyna* Winnertz.  
*felix* Schmitz, 1919: 26 (*Bradysia*) – male LT; 4 males, 2 females PLT



- Remarks:** Assigned to *Lycoriella*.  
*fera* Winnertz, 1867: 136 (*Sciara*) – male LT  
**Remarks:** Synonym of *B. fungicola* Winnertz.  
*flabellata* Lengersdorf, 1942: 180 (*Neosciara*) – male HT  
**Remarks:** Synonym of *Epidapus (Pseudoaptanogyna) absconditus* (Vimmer). HT is missing.  
*flaviventris* Winnertz, 1867: 116 (*Sciara*) – male LT  
**Remarks:** Synonym of *Lycoriella ingenua* (Dufour).  
*formosa* Winnertz, 1871: 854 (*Sciara*) – female HT  
**Remarks:** Synonym of *B. opaca* (Winnertz).  
*fusca* Winnertz, 1871: 849 (*Sciara*) – 1 male PLT  
**Remarks:** Synonym of *Corynoptera montana* (Winnertz).  
*glabricollis* Winnertz, 1871: 851 (*Sciara*) – 3 females PLT  
**Remarks:** Synonym of *Cratyna schineri* (Winnertz).  
*grandicellaris* Lengersdorf, 1926: 250 (*Sciara*) – 1 female PLT  
**Remarks:** Assigned to *Bradysia*.  
*halterata* Lengersdorf, 1926: 250 (*Sciara*) – 1 female PLT  
**Remarks:** Assigned to *Phytosciara*.  
*hercyniae* Winnertz, 1869: 663 (*Sciara*) – 1 male PLT  
**Remarks:** Synonym of *B. fungicola* (Winnertz).  
*heydemanni* Lengersdorf, 1955: 23 (*Neosciara*) – male LT; 1 female PLT  
**Remarks:** Assigned to *Bradysia*.  
*hirtula* Lengersdorf, 1934: 25 (*Neosciara*) – male HT  
**Remarks:** Assigned to *Camptochaeta*.  
*hispanna* Lengersdorf, 1957: 227 (*Neosciara*) – male LT; 1 female PLT  
**Remarks:** Assigned to *Pseudolycoriella*.  
*hispida* Winnertz, 1871: 847 (*Sciara*) – 1 male PLT  
**Remarks:** Synonym of *Leptosciarella rejecta* (Staeger).  
*humilis* Winnertz, 1867: 117 (*Sciara*) – male LT  
**Remarks:** Synonym of *Lycoriella ingenua* (Dufour).  
*ignota* Lengersdorf, 1942: 179 (*Caenosciara*) – female HT  
**Remarks:** Assigned to *Epidapus*.  
*inflata* Winnertz, 1867: 146 (*Sciara*) – male LT; 6 males PLT  
**Remarks:** Assigned to *Lycoriella*.  
*latiforceps* Bukowski & Lengersdorf, 1936: 107 (*Neosciara*) – 1 male ST  
**Remarks:** Synonym of *Cratyna ambigua* (Lengersdorf).  
*latifurcata* Lengersdorf, 1942: 3 (*Sciara*) – male LT  
**Remarks:** Assigned to *Parapnyxia*.  
*leclercqi* Lengersdorf, 1950: 28 (*Rhynchosciara*) – female HT  
**Remarks:** Synonym of *B. praecox* (Meigen).  
*lignea* Lengersdorf, 1941: 3 (*Neosciara*) – male LT; 5 males PLT  
**Remarks:** Synonym of *Cratyna ambigua* (Lengersdorf).  
*longicornis* Bukowski & Lengersdorf, 1936: 110 (*Neosciara*) – 1 male PLT  
**Remarks:** Assigned to *Corynoptera*; synonym of *subtilis* (Lengersdorf).  
*longicubitalis* Lengersdorf, 1924: 88 (*Cratyna*) – male HT  
**Remarks:** Assigned to *Bradysia*.  
*longiseta* Bukowski & Lengersdorf, 1936: 106 (*Neosciara*) – 1 female PLT  
**Remarks:** Synonym of *Pseudolycoriella morenae* (Strobl).  
*lugubris* Winnertz, 1867: 62 (*Sciara*) – male LT  
**Remarks:** Synonym of *B. pauperata* (Winnertz).  
*lutaria* Winnertz, 1869: 665 (*Sciara*) – 1 male PLT  
**Remarks:** Assigned to *Bradysia*.  
*luteofusca* Bukowski & Lengersdorf, 1936: 106 (*Neosciara*) – 1 male, 1 female PLT  
**Remarks:** Assigned to *Corynoptera*.  
*melina* Schmitz, 1915: 285 (*Pholeosciara*) – female HT  
**Remarks:** Synonym of *Epidapus atomarius* (De Geer).  
*meridiana* Lengersdorf, 1926: 393 (*Sciara*) – 1 female PLT  
**Remarks:** Synonym of *B. alpicola* (Winnertz).  
*montana* Winnertz, 1869: 659 (*Sciara*) – 1 male PLT  
**Remarks:** Assigned to *Corynoptera*.  
*mutabilis* Lengersdorf, 1926: 7 (*Sciara*) – female LT; 1 female PLT  
**Remarks:** Synonym of *B. alpicola* (Winnertz).  
*myrtilli* Winnertz, 1867: 109 (*Sciara*) – male LT  
**Remarks:** Synonym of *B. confinis* (Winnertz).  
*nana* Winnertz, 1871: 854 (*Sciara*) – male LT  
**Remarks:** Assigned to *Scatopsiara*.  
*nigrescens* Winnertz, 1869: 658 (*Sciara*) – 1 male PLT  
**Remarks:** Synonym of *B. confinis* (Winnertz).  
*nobilis* Winnertz, 1867: 135 (*Sciara*) – male HT  
**Remarks:** Assigned to *Cratyna*.  
*obscuripennis* Winnertz, 1867: 55 (*Sciara*) – male LT  
**Remarks:** Synonym of *Leptosciarella scutellara* (Staeger).  
*occulta* Winnertz, 1867: 110 (*Sciara*) – male HT  
**Remarks:** Synonym of *B. confinis* (Winnertz).  
*ofenkaulis* Lengersdorf, 1925: 19 (*Sciara*) – male LT; 2 females PLT  
**Remarks:** Assigned to *Camptochaeta*.  
*pallidiventris* Winnertz, 1867: 150 (*Sciara*) – male LT  
**Remarks:** Assigned to *Bradysia*.  
*parvula* Winnertz, 1867: 122 (*Sciara*) – male LT  
**Remarks:** Assigned to *Corynoptera*.  
*pavida* Winnertz, 1867: 159 (*Sciara*) – male HT  
**Remarks:** Synonym of *Scatopsiara pusilla* (Meigen).  
*pernitida* Edwards, 1915: 165 (*Plastosciara*) – 1 male, 1 female PLT  
**Remarks:** Assigned to *Cratyna*.  
*perpusilla* Winnertz, 1867: 177 (*Corynoptera*) – male LT  
*placida* Winnertz, 1867: 67 (*Sciara*) – 2 males PLT  
**Remarks:** Assigned to *Bradysia*.  
*platyventralis* Lengersdorf, 1957: 228 (*Neosciara*) – female LT  
**Remarks:** Assigned to *Scatopsiara*.



- polonica* Lengersdorf, 1929: 109 (*Sciara* (*Neosciara*)) – male LT; 3 males PLT  
**Remarks:** Assigned to *Bradysia*.
- porrecta* Lengersdorf, 1929: 108 (*Sciara* (*Neosciara*)) – male LT; 1 male PLT  
**Remarks:** Assigned to *Phytosciara*.
- pullula* Winnertz, 1867: 112 (*Sciara*) – male LT  
**Remarks:** Synonym of *B. rufescens* (Zetterstedt).
- pumila* Winnertz, 1853: 179 (*Zygoneura*) – 4 males ST  
**Remarks:** Synonym of *Epidapus atomarius* (De Geer).
- quinquedentata* Lengersdorf, 1936: 3 (*Neosciara*) – male LT  
**Remarks:** Synonym of *B. lapponica* (Lengersdorf).
- refrigerata* Lengersdorf, 1930: 3 (*Neosciara*) – male LT; 1 female PLT  
**Remarks:** Assigned to *Corynoptera*.
- seguis* Winnertz, 1871: 858 (*Sciara*) – male LT  
**Remarks:** Synonym of *Lycoriella ingenua* (Dufour).
- selecta* Winnertz, 1871: 859 (*Sciara*) – male LT  
**Remarks:** Synonym of *B. amoena* (Winnertz).
- semialata* Edwards, 1913: 210 (*Sciara*) – 1 male, 1 female PLT  
**Remarks:** Assigned to *Pseudolycoriella*.
- setigera* Winnertz, 1867: 151 (*Sciara*) – male LT  
**Remarks:** Synonym of *B. amoena* (Winnertz).
- signata* Winnertz, 1867: 158 (*Sciara*) – male LT  
**Remarks:** Synonym of *B. amoena* (Winnertz).
- solani* Winnertz, 1871: 855 (*Sciara*) – male PLT  
**Remarks:** Synonym of *Lycoriella ingenua* (Dufour).
- spoeckeri* Lengersdorf, 1930: 95 (*Neosciara*) – male LT; 1 female PLT  
**Remarks:** Assigned to *Corynoptera*.
- stokesi* Edwards, 1925: 223 (*Psilosciara*) – 2 males PLT  
**Remarks:** Synonym of *Cratyna schineri* (Winnertz).
- subterranea* Schmitz, 1913: 212 (*Peyerimhoffia*) – female HT  
**Remarks:** Synonym of *Pnyxia scabiei* (Hopkins).
- syriaca* Lengersdorf, 1934: 55 (*Neosciara*) – male LT  
**Remarks:** Assigned to *Corynoptera*.
- trichoptera* Lengersdorf, 1926: 248 (*Sciara*) – 1 female PLT  
**Remarks:** Synonym of *B. nitidicollis* (Meigen) (only wings).
- triseriata* Winnertz, 1867: 157 (*Sciara*) – male LT; 1 male PLT  
**Remarks:** Synonym of *B. amoena* (Winnertz).
- turbida* Winnertz, 1867: 165 (*Sciara*) – male HT  
**Remarks:** Synonym of *B. amoena* (Winnertz).
- uliginosa* Lengersdorf, 1929: 317 (*Sciara*) – 10 males, 10 females ST  
**Remarks:** Assigned to *Cratyna*. Type series is missing.
- ungulata* Winnertz, 1867: 142 (*Sciara*) – male LT  
**Remarks:** Assigned to *Phytosciara*.
- vana* Winnertz, 1871: 857 (*Sciara*) – male LT  
**Remarks:** Synonym of *B. amoena* (Winnertz).

- vanderwieeli* Schmitz, 1920: 363 (*Bradysia*) – female LT  
**Remarks:** Synonym of *Lycoriella subterranea* (Mäkel).
- velox* Winnertz, 1867: 111 (*Sciara*) – male PLT  
**Remarks:** Synonym of *Lycoriella ingenua* (Dufour).
- venusta* Winnertz, 1867: 115 (*Sciara*) – male LT  
**Remarks:** Synonym of *Lycoriella ingenua* (Dufour).
- vivida tennicornis* Lengersdorf, 1932: 161 (*Neosciara*) – male LT  
**Remarks:** Assigned to *Scatopsiara*.
- vivida* Winnertz, 1867: 156 (*Sciara*) – male LT  
**Remarks:** Synonym of *Scatopsiara atomaria* (Zetterstedt).
- wasmanni* Schmitz, 1919: 96 (*Hyperlasion*) – male LT; 6 females, 1 larva PLT

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### Family: Sciomyzidae

- manchurica* Rozkošný & Knutson, 1991: 67 (*Elgiva*) – male HT
- Remarks:** Genitalia dissected, in microvial.
- orientalis* Rozkošný & Knutson, 1991: 65 (*Pherbellia*) – female HT

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### Family: Stratiomyidae

- alini* Lindner, 1955: 221 (*Odonotomyia*) – 3 males, 2 females ST
- Remarks:** Labeled as HT and PT, but no information provided in publication.
- quadripartita* Lindner, 1940: 33 (*Hermione*) – female HT
- sinensis* Lindner, 1940: 23 (*Prosopochrysa*) – male HT
- szechuanensis* Lindner, 1954: 208 (*Parastratiopshecomyia*) – male HT; 14 males, 4 females PT

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### Family: Syrphidae

- bracusi* Vujić & Claussen, 1994: 137 (*Cheilosia*) – 1 male, 1 female PT
- eggeri major* Andries 1912: 307 (*Microdon*) – 1 puparium NT
- Remarks:** A teneral adult remains inside puparium. Neotype designated by Schmid (2004: 115) and elevated to full species rank.
- iberica* Marcos-García & Claussen, 1989: 57 (*Cheilosia*) – 1 female PT
- rhenanus* Andries 1912: 307 (*Microdon*) – puparium LT
- Remarks:** Mouthparts dissected and stored in microvial beneath. Lectotype designated by Schmid (2004: 115) and is regarded as a synonym of *M. mutabilis* (L.).
- subpictipennis* Claussen, 1998: 405 (*Cheilosia*) – 1 female PT



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## Family: Tabanidae

- agrestis afghanisticus* Moucha & Chvála, 1959: 279 (*Atylotus*) – female HT; 3 males, 7 females PT  
**Remarks:** Synonym of *quadrifarius* (Loew).
- grandis schiva* Moucha & Chvála, 1959: 284 (*Tabanus*) – female HT; 3 males, 7 females PT  
**Remarks:** Elevated to full species.
- olsufjeviana* Moucha & Chvála, 1959: 276 (*Tylostypia*) – female HT; 23 females PT  
**Remarks:** Assigned to *Hybomitra* Enderlein.
- olsufjeviana pseudozonata* Moucha & Chvála, 1959: 277 (*Tylostypia*) – female HT; 2 females PT  
**Remarks:** Synonym of *olsufjeviana* Moucha & Chvála.

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## Family: Tachinidae

- klapperichi* Mesnil, 1956: 532 (*Turanogonia*) – male HT; 3 males, 1 female PT
- tridentata* Mesnil, 1961: 703 (*Meigenia*) – male HT

## REFERENCES

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## Family: Tephritidae

- admissa* Hering, 1961: 326 (*Tephritis*) – male HT; 2 males, 4 females PT

- admirandum* Hering, 1953: 346 (*Chaetostoma*) – male HT
- aethiops* Hering, 1939: 143 (*Neanoumoea*) – female HT  
**Remarks:** Assigned to *Philophylla* Rondani.
- afghana* Hering, 1961: 322 (*Tephrella*) – female HT; 6 females PT  
**Remarks:** Assigned to *Aciura* R.-D. Holotype is not as stated on label.
- apicata* Freidberg, 1979: 16 (*Myopites*) – 1 male, 1 female PT
- crinita* Hering, 1961: 328 (*Tephritis*) – female HT  
**Remarks:** Wing is mounted.
- fukienica* Hering, 1939: 146 (*Platensina*) – female HT; 1 male PT
- hermonis* Freidberg, 1974: 49 (*Urophora*) – 1 male, 1 female PT
- macens virgulata* Hering, 1961: 329 (*Tephritis*) – 2 males PT
- occultus* Hering, 1939: 144 (*Phagocarpus*) – male HT  
**Remarks:** Assigned to *Anomoia* Walker. Holotype is highly damaged, only wing and some legs remain. Synonym of *A. klossi* (Edwards).
- pallescens* Hering, 1961: 326 (*Tephritis*) – male HT  
**Remarks:** Wing is mounted.
- parvisetalis* Hering, 1939: 144 (*Rioxoptilona*) – male HT  
**Remarks:** Assigned to *Chaetomerella* De Meijere (Korneyev pers. comm.).
- setibasis* Hering, 1953: 346 (*Euleia*) – male HT  
**Remarks:** Assigned to *Acidiella* Hendel (Korneyev pers. comm.).
- sonchina* Hering, 1937: 112 (*Tephritis*) – 1 male, 1 female PT
- vilis* Hering, 1961: 325 (*Galada*) – female HT  
**Remarks:** HT highly damaged. Assigned to *Terellia* Robineau-Desvoidy.

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**Family: Thaumaleidae**

*concava* Sinclair, 2008: 6 (*Austrothaumalea*) – 3 males, 1 female PT

*japonica* Sinclair & Saigusa, 2002: 176 (*Trichothaumalea*) – 2 males PT (pinned), 1 female PT (in alc.)

*ramosa* Sinclair, 2008: 6 (*Austrothaumalea*) – 3 males, 2 females PT

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Sinclair BJ, Saigusa T (2002) A new species of the seepage midge genus *Trichothaumalea* Edwards from Japan (Diptera: Culicomorpha: Thaumaleidae). *Insect Systematics & Evolution* 33: 175–184

Sinclair BJ (2008) New species of *Austrothaumalia* Tonnoir from Australia (Diptera: Thaumaleidae). *Records of the Australian Museum* 60: 1–12

**Family: Tipulidae (s. lat.)**

*absentiva* Mannheims, 1951: 64 (*Prionocera*) – 3 males PT

**Remarks:** Synonym of *dimidiata* Loew.

*acicnata loxia* Starý, 1983: 15 (*Ormosia* s.s.) – 2 males PT

*acudens* Theischinger, 1977: 8 (*Tipula* (*Lunatipula*)) – male HT; 1 female PT

**Remarks:** Holotype dissected.

*acuminata* Mendl, 1972: 150 (*Dicranota* (*Plectronyia*)) – male HT (in alc.); 1 male, 1 female PT (in alc.)

*adrastea* Starý & Mendl, 1984: 123 (*Ellipterooides* (*Protogonomyia*)) – 1 male PT

*adusta lucistriata* Mannheims & Savchenko, 1967: 152 (*Tipula* (*Lunatipula*)) – 2 females PT

*aegina* Alexander, 1970: 73 (*Antocha* (*Antocha*)) – 4 PT

**Remarks:** All specimens damaged.

*alexanderi* Mendl & Tjeder, 1974: 247 (*Baeoura*) – 9 males, 8 females PT (in alc.)

*alexanderianns* Nielsen, 1963: 7 (*Molophilus* (*Molophilus*)) – 1 male PT

*algira* Vaillant, 1953: 3 (*Dolichopeza*) – 1 male, 1 female PT

**Remarks:** Synonym of *D. fuscipes* Bergroth.

*alhena* Alexander, 1953: 748 (*Tipula*) – 1 male PT

**Remarks:** Assigned to subgenus *Sivatipula* Alexander. Paratype collected 4–12.v.1952.

*alpina* Bangerter, 1948: 187 (*Dicranomyia*) – 4 males, 1 female PT (in alc.)

**Remarks:** Label data does not match literature.

*amicorum* Mannheims & Theowald, 1959: 47 (*Tipula* (*Lunatipula*)) – 1 female PT

**Remarks:** Synonym of *laetabilis* Zetterstedt.

*ampullifera* Mannheims, 1965: 195 (*Tipula* (*Lunatipula*)) – male HT; 1 male, 2 females PT

*amseli* Mannheims, 1961: 310 (*Tipula* (*Yamatotipula*)) – 1 male, 1 female PT

**Remarks:** Synonym of *T. subprotrusa* Savchenko. *anatoliensis* Theowald, 1978: 424 (*Tipula* (*Mediotipula*)) – male HT; 1 female PT

*auderi* Tjeder, 1948: 96 (*Prionocera*) – 1 male PT

**Remarks:** Synonym of *P. pubescens* Loew.

*angelica* Theowald, 1957: 253 (*Tipula*) – 1 pupal exuvia PT

**Remarks:** Species based on pupal exuviae.

*anthe* Mannheims, 1968: 308 (*Tipula* (*Lunatipula*)) – male HT

*antica anticoides* Alexander, 1940: 379 (*Tanyptera*) – female HT

*antilope* Theischinger, 1977: 17 (*Tipula* (*Lunatipula*)) – 1 male, 1 female PT (in alc.)

*aphrodite* Mannheims, 1963: 169 (*Tipula* (*Lunatipula*)) – male HT; 8 females PT

*appendiculata pertenna* Oosterbroek, 1978: 52 (*Nephrotoma*) – 3 males, 2 females PT

*aquilina* Starý, 1984: 236 (*Limonia*) – 3 males, 1 female PT

*aragoniensis* Theowald, 1978: 416 (*Tipula* (*Mediotipula*)) – 1 male, 1 female PT

*ariadne* Mannheims, 1954: 169 (*Tipula* (*Lunatipula*)) – male HT; 1 female PT

*armata* Mendl, 1985: 196 (*Baeoura*) – male HT (in alc.); 1 female PT (in alc.)

**Remarks:** HT dissected, pinned separately (No. 304).

*armatissimus* Bangerter, 1947: 360 (*Molophilus*) – 1 male PT (in alc.)

**Remarks:** Synonym of *appendiculata* (Staeger). *arnondi* Theowald, 1971: 234 (*Limnophila* (*Limnophila*)) – 3 males PT

**Remarks:** One PT label data does not match locality date description.

*asbolodes* Speiser, 1909: 57 (*Tipula*) – 1 male ST

**Remarks:** Male genitalia only. *astigma* Pierre, 1925: 9 (*Nephrotoma*) – 3 males PNT

**Remarks:** NT designated by Oosterbroek (1978) (PNT have no status).

*atlas* Pierre, 1924: 91 (*Tipula*) – 1 male ST

*aureola* Mannheims, 1952: 89 (*Tipula* (*Tipula*)) – 3 males PT

**Remarks:** Ass. under subgenus *Acutipula* Alexander. *auriculata* Mannheims, 1963: 158 (*Tipula* (*Lunatipula*)) – 1 male PT

*austrica* Mannheims & Theowald, 1959: 24 (*Pales*) – male LT

**Remarks:** LT designated by Mannheims in Mannheims & Pechlander (1963: 14).

*bakundu* Jong, 1984: 33 (*Tipula* (*Acutipula*)) – male HT

*baldensis* Mendl, 1974: 13 (*Ormosia* (*Ormosia*)) – male HT (in alc.); 2 males, 2 females PT (in alc.)

**Remarks:** Two females labeled as paratypes, collected 21.8.73 from Stausee are not listed in types series (other male PT not found).

- balearica* Mannheims, 1968: 305 (*Tipula (Lunatipula)*) – 1 male, 1 female PT
- bamileke* Jong, 1984: 35 (*Tipula (Acutipula)*) – male HT
- bangerteri* Mendl, 1974: 205 (*Limonia (Dicranomyia)*) – male HT (in alc.); 1 female PT (in alc.)
- benesignata* Mannheims, 1954: 35 (*Tipula (Oreomyza)*) – 3 males, 4 females PLT  
**Remarks:** LT designated by Mannheims & Pechanger (1963: 29).
- berytia* Mannheims, 1963: 158 (*Tipula (Lunatipula)*) – 1 male PT (in alc.)
- bezzii* Mannheims & Theowald, 1959: 43 (*Tipula (Lunatipula)*) – 15 males, 8 females PT
- bifastigatus* Mendl, 1987: 371 (*Ellipteroides (Ellipteroides)*) – male HT (in alc.)  
**Remarks:** HT dissected, pinned separately (No. 638).
- binaculata* Riedel, 1913: 105 (*Tipula*) – 2 males, 1 female ST
- bioculata* Alexander, 1960: 209 (*Tipula (Acutipula)*) – 1 male PT
- bivittata* Pierre, 1921: 23 (*Tipula*) – 1 male ST
- brevicornis* Lundström, 1912: 46 (*Tipula*) – 1 male ST
- brevispina* Pierre, 1920: 163 (*Tipula*) – 1 male ST
- broleuanni* Pierre, 1921: 262 (*Tipula*) – 1 male PLT  
**Remarks:** LT designated by Theowald (1978: 413).
- bubiana* Jong, 1984: 37 (*Tipula (Acutipula)*) – male HT
- buchholzii* Mannheims & Theowald, 1959: 45 (*Tipula (Lunatipula)*) – male HT; 2 males PT
- bulbosa* Mannheims, 1954: 162 (*Tipula (Lunatipula)*) – male HT; 7 males, 4 females PT
- caerulea* Starý, 1987: 261 (*Cheilotrichia (Empeda)*) – 1 male PT (in alc.)
- caerulea* Mannheims & Nielsen, 1953: 586 (*Tipula (Oreomyza)*) – female HT  
**Remarks:** Synonym of *T. laetibasis* Zetterstedt.
- callisto* Alexander, 1944: 297 (*Tipula*) – 1 female PT  
**Remarks:** Specimen partly destroyed.
- capionuera* Speiser, 1909: 59 (*Tipula*) – 1 male PT  
**Remarks:** Male genitalia only.
- capreola* Mannheims, 1966: 498 (*Tipula (Lunatipula)*) – 3 males PT
- carbo sikkimensis* Alexander, 1964: 65 (*Elephantomyia (Elephantomyia)*) – 1 male PT
- carib* Alexander, 1970: 5 (*Tipula (Microtipula)*) – 1 male PT  
**Remarks:** PT destroyed; collected 1964, not 1965.
- cassiope* Mannheims, 1966: 241 (*Tipula (Lunatipula)*) – male HT; 1 male PT
- castellanii* Mannheims & Theowald, 1959: 52 (*Tipula (Oreomyza)*) – 1 male PT
- cataloniensis* Theowald, 1978: 417 (*Tipula (Lunatipula)*) – male HT; 1 male, 1 female PT
- caudispina parnonensis* Theischinger, 1979: 296 (*Tipula (Lunatipula)*) – male HT
- cedrophila* Mannheims, 1963: 150 (*Tipula (Lunatipula)*) – 2 females PT
- cerva* Mannheims & Theowald, 1959: 34 (*Tipula (Lunatipula)*) – 3 males, 3 females PT
- cervula* Mannheims & Theowald, 1959: 34 (*Tipula (Lunatipula)*) – male HT; 2 males, 3 females PT
- chandra* Alexander, 1964: 294 (*Limonia (Dicranomyia)*) – 1 male PT
- chrysophaea* Alexander, 1941: 27 (*Tanyptera*) – female HT
- cinerella* Pierre, 1919: 614 (*Tipula*) – 1 male ST
- circe* Mannheims, 1954: 168 (*Tipula (Lunatipula)*) – 1 male PT
- cirratula* Oosterbroek, 1997: 191 (*Tipula (Lunatipula)*) – 9 males, 3 females PT
- claessoni* Mendl, 1986: 235 (*Molophilus*) male HT (in alc.); 1 male, 2 females PT (in alc.)  
**Remarks:** HT dissected, pinned separately (No. 636).
- clavistylus* Mendl, 1979: 178 (*Molophilus*) – male HT (in alc.)  
**Remarks:** HT dissected, pinned separately (No. 239).
- clio* Mannheims, 1954: 165 (*Tipula (Lunatipula)*) – male HT; 3 males, 4 females PT
- clotho* Alexander, 1964: 285 (*Limonia (Dicranomyia)*) – 1 male, 2 ? PT
- complicata* Meijere, 1918: 129 (*Dicranomyia*) – 1 male, 1 female ST  
**Remarks:** Assigned as subspecies of *D. melleicauda* Alexander.
- conclifera* Mannheims, 1968: 309 (*Tipula (Lunatipula)*) – male HT; 6 males, 11 females PT  
**Remarks:** Synonym of *T. cinereicolor* Pierre.
- consinilis* Mendl, 1987: 11 (*Dicranota (Paradicranota)*) – male HT; 7 males (in alc.), 1 male (pinned) PT  
**Remarks:** HT dissected, pinned separately (No. 652).
- cornicula* Pierre, 1921: 149 (*Tipula*) – male NT; 1 male, 1 female PNT  
**Remarks:** NT designated by Theowald (1973: 324) (PNT have no status).
- crassa* Starý, 2004: 671 (*Rhabdomastix (Rhabdomastix)*) – 2 males, 12 females PT (in alc.)
- cremeri* Alexander, 1940: 393 (*Tipula (Vestiplex)*) – female HT
- cretica* Mendl, 1979: 170 (*Dicranomyia (Salebria)*) – male HT (in alc.); 4 males, 1 female PT (in alc.)  
**Remarks:** HT dissected, pinned separately (No. 244).
- cretis* Mannheims, 1965: 194 (*Tipula (Lunatipula)*) – male HT; 2 males PT
- curtipennis* Mannheims, 1961: 4 (*Tipula (Acutipula)*) – 1 male PT
- curvata* Theischinger, 1977: 4 (*Tipula (Lunatipula)*) – male HT
- cypris* Mannheims, 1963: 156 (*Tipula (Lunatipula)*) – male HT; 3 females PT



- decolor* Mannheims, 1963: 159 (*Tipula (Lumatipula)*) – 2 males PT
- didymotes* Theischinger, 1977: 17 (*Tipula (Lumatipula)*) – male HT; 1 female PT
- divergens* Bangerter, 1947: 371 (*Gonomyia (Lipophleps)*) – 1 male PT (in alc.)
- diversipes* Alexander, 1941: 237 (*Brachypremma*) – 1 female PT
- dolonitensis* Theowald, 1980: 482 (*Tipula (Pterelachisus)*) – male HT; 1 female PT
- dolores* Mannheims, 1967: 265 (*Tipula (Lumatipula)*) – male HT; 1 male PT
- dracula* Theischinger, 1977: 241 (*Tipula (Lumatipula)*) – male PT (in alc.)
- draupadi* Alexander, 1964: 293 (*Limonia (Dicranomyia)*) – 1 male PT
- ebneri* Mannheims, 1953: 132 (*Tipula (Vestiplex)*) – 1 female PT  
**Remarks:** Synonym of *T. sexspinosa* Strobl.
- eburata* Mannheims, 1958: 1 (*Pales*) – 1 female PT
- engeli* Theowald, 1957: 253 (*Tipula*) – pupal exuviae HT  
**Remarks:** Species based on pupal exuviae.
- epicharis* Alexander, 1966: 70 (*Erioptera (Ilisia)*) – 1 female LT
- erato* Mannheims, 1954: 179 (*Tipula (Lumatipula)*) – male HT; 4 males, 4 females PT  
**Remarks:** Another 7 male and 2 female paratypes not present.
- eugeni* Starý, 2004: 674 (*Rhabdomastix (Rhabdomastix)*) – 14 males, 8 females PT (in alc.), 2 females PT (pinned)
- eumecacera* Speiser, 1909: 58 (*Tipula*) – 1 male PT  
**Remarks:** Male genitalia only.
- euterpe* Theischinger, 1979: 124 (*Tipula (Lumatipula)*) – male HT; 1 female PT
- exastigma* Oosterbroek, 1978: 84 (*Nephrotoma*) – 10 males, 4 females PT
- excisa* Schummel, 1833: 42 (*Tipula*) – 1 male PNT  
**Remarks:** NT designated by Theowald & Mannheims (1962: 379) (PNT has no status).
- exechostyla* Alexander, 1964: 120 (*Tipula (Vestiplex)*) – 1 male PT
- fabiola* Mannheims, 1968: 298 (*Tipula (Lumatipula)*) – male HT; 1 male PT
- fendleri* Mannheims, 1963: 69 (*Tipula (Yamatotipula)*) – male HT; 1 male, 1 female PT
- filata* Starý, 2004: 675 (*Rhabdomastix (Rhabdomastix)*) – 6 females PT (in alc.)
- fini* Oosterbroek, 1997: 184 (*Tipula (Lumatipula)*) – 1 female PT
- flagellicurta* Mannheims, 1958: 5 (*Tipula (Tipula)*) – 1 male PT  
**Remarks:** Partially dissected, slide mounted and pinned separately.
- flammatra* Starý, 1981: 191 (*Dicranota (Paradicranota)*) – 2 males PT
- fokiensis* Alexander, 1940: 412 (*Linnophila*) – male HT  
**Remarks:** Assigned to *Prionolabis* Osten Sacken.
- fontana* Oosterbroek, 1978: 97 (*Nephrotoma*) – male HT  
**Remarks:** HT dissected (pinned beneath).
- forcipata* Mannheims & Theowald, 1959: 36 (*Tipula (Lumatipula)*) – male HT; 4 males, 17 females PT  
**Remarks:** This species is a homonym; new name is *forcipula* Mannheims.
- franzi* Mannheims, 1950: 74 (*Tipula (Vestiplex)*) – 3 males, 3 females PT
- fulviventris* Alexander, 1970: 36 (*Teucholabis*) – 2 females PT  
**Remarks:** One PT destroyed.
- fuscicosta* Mannheims, 1954: 177 (*Tipula (Lumatipula)*) – 2 males, 3 females PT  
**Remarks:** Additional 1 male PT labeled, but date (VI-11) and locality (Pashtrik) not in original type list.
- galiciensis* Theowald, 1978: 415 (*Tipula (Mediotipula)*) – male HT  
**Remarks:** HT dissected, pinned beneath.
- geja* Savchenko, 1968: 929 (*Tipula (Lumatipula)*) – 1 male PT
- glacialis* Pokorny, 1887: 50 (*Oreomyza*) – 1 male ST
- gohli* Mendl, 1976: 33 (*Phyllolabis (Phyllolabis)*) – male HT (in alc.); 5 females PT (in alc.)  
**Remarks:** HT, 2 PT dissected in microvial with tube.
- goliath* Alexander, 1940: 384 (*Ctenacroscelis*) – male HT  
**Remarks:** Assigned to *Holorusia*, dissected and mounted beneath.
- graeca* Mannheims, 1954: 158 (*Dolichozeza (Dolichozeza)*) – male HT; 6 males, 3 females PT
- graeca dufouri* Oosterbroek & Vuković, 1989: 97 (*Tipula (Lumatipula)*) – 21 males, 5 females PT
- graeca graeca* Oosterbroek & Vuković, 1989: 96 (*Tipula (Lumatipula)*) – 4 males, 8 females PT  
**Remarks:** 1 PT dissected, pinned beneath.
- graecolivida* Mannheims, 1954: 176 (*Tipula (Lumatipula)*) – male HT; 4 males, 2 females PT
- gredosi* Theowald, 1980: 491 (*Tipula (Pterelachisus)*) – 50 males, 10 females PT  
**Remarks:** Theowald (1980: 492) states that there are 27 male and 21 female paratypes from Sierra de Gredos. However, 11 of these specimens are in fact males. Mannheims normally kept males and females in separate rows, but in this case there was a double row of males. It would appear that Theowald (1980) mistakenly counted one of these rows as females. Very few of these paratypes were labeled as such.
- griesheimae* Mannheims & Theowald, 1959: 41 (*Tipula (Lumatipula)*) – male HT
- guentheri* Oosterbroek, 1994: 430 (*Tipula (Yamatotipula)*) – 5 males, 3 females PT
- handschini* Mannheims, 1967: 284 (*Tipula (Lumatipula)*) – 2 males PT  
**Remarks:** One PT dissected, pinned beneath.



- handschiniana* Mannheims, 1950: 73 (*Tipula (Vestiplex)*) – 3 males, 2 females PT  
**Remarks:** Synonym of *T. cisalpina* Riedel.
- harmonia* Mannheims, 1966: 241 (*Tipula (Lunatipula)*) – male HT; 1 male PT
- hartigi* Mannheims, 1950: 76 (*Tipula (Vestiplex)*) – 6 males, 2 females PT  
**Remarks:** Assigned as subspecies of *scripta* Meigen.
- hartigi* Mannheims, 1951: 49 (*Pales*) – male HT; 3 males, 1 female PT  
**Remarks:** Synonym of *N. crocata* Linnaeus; HT dissected, pinned beneath.
- hartwigi* Alexander, 1974: 407 (*Limnophila (Afrolimnophila)*) – male HT  
**Remarks:** Genitalia mounted on slide and housed in USNM.
- helvetica* Mannheims & Theowald, 1951: 24 (*Pales*) – male LT; 4 males PLT  
**Remarks:** LT designated by Mannheims (1963); 3 PLT dissected, pinned beneath.
- hemiptera* Mannheims, 1953: 130 (*Tipula (Vestiplex)*) – female HT
- hemmingseni* Nielsen, 1959: 65 (*Phyllolabis*) – 2 males, 1 female PT
- hemopterandra* Bezzi, 1924: 231 (*Tipula (Vestiplex)*) – 1 male, 1 female ST
- hera* Theischinger, 1979: 300 (*Tipula (Lunatipula)*) – male HT; 1 male, 1 female PT  
**Remarks:** HT, 1 PT dissected, pinned beneath.
- herculeanus* Alexander, 1940: 383 (*Ctenacroscelis*) – male HT
- hermes* Theischinger, 1977: 30 (*Tipula (Lunatipula)*) – male HT
- hispanolivida* Mannheims, 1968: 304 (*Tipula (Lunatipula)*) – male HT; 9 males, 6 females PT
- huguenini* Bangerter, 1947: 368 (*Gonomyia (Ellipteroides)*) – 1 male, 1 female PT (in alc.)
- iberica* Mannheims, 1963: 144 (*Tipula (Lunatipula)*) – 38 males, 17 females PT
- ida* Starý & Mendl, 1984: 125 (*Ellipteroides (Protogonomyia)*) – male HT (in alc.); 38 males, 31 females (in alc.)  
**Remarks:** Genitalia pinned separately (No. 531); female genitalia (No. 532).
- iliensis* Mannheims, 1965: 192 (*Tipula (Lunatipula)*) – male HT; 1 female PT
- incristata* Mannheims, 1958: 8 (*Pales*) – 3 males, 1 female PT
- incurvus* Mendl, 1979: 179 (*Molophilus*) – male HT (in alc.); 4 males PT (in alc.)  
**Remarks:** HT dissected, pinned separately (No. 185).
- inermis* Mendl, 1979: 176 (*Ilisia (Ilisia)*) – male HT; 1 female PT (in alc.)  
**Remarks:** HT dissected, enclosed in tube.
- insulana* Savchenko, 1971: 14 (*Arctoconopa*) – 1 male, 1 female PT
- interjecta* Starý, 1974: 1 (*Limonia (Limonia)*) – 1 male PT
- intermedia* Bangerter, 1947: 354 (*Ilisia*) – 4 males PT (in alc.)  
**Remarks:** Synonym of *sororcula* (Lackschewitz).
- intermixta* Riedel, 1913: 40 (*Tipula*) – male PNT  
**Remarks:** NT designated by Theowald (1970) (PNT has no status).
- ismene* Mannheims, 1969: 255 (*Tipula (Acutipula)*) – male HT; 7 males, 4 females PT  
**Remarks:** One male PT dissected, pinned separately.
- isparta* Vermoolen, 1983: 70 (*Tipula (Acutipula)*) – 1 male, 2 females PT  
**Remarks:** One male PT dissected, pinned beneath.
- japvoensis* Alexander, 1953: 742 (*Ctenacroscelis*) – 1 female PT
- jeekeli* Mannheims & Theowald, 1959: 49 (*Tipula (Oreomyza)*) – 4 males, 3 females PT
- jenaro* Alexander, 1969: 174 (*Dolichopeza (Megistomastix)*) – 1 male PT
- jordansi* Mannheims, 1954: 181 (*Tipula (Lunatipula)*) – male HT; 9 males, 4 females PT  
**Remarks:** Assigned as subspecies of *pannonia* Loew.
- kallemmelleri* Mendl, 1984: 101 (*Molophilus*) – male HT (in alc.); 3 females PT (in alc.)  
**Remarks:** HT dissected, pinned separately (No. 624).
- kashougeensis* Alexander, 1966: 220 (*Limnophila (Dicranophragma)*) – 1 male, 1 female PT
- kaszabi* Mannheims & Savchenko, 1973: 260 (*Limonia (Dicranomyia)*) – 1 male PT
- kerkis* Theischinger, 1977: 14 (*Tipula (Lunatipula)*) – male HT
- kinensis* Alexander, 1934: 17 (*Limonia (Dicranomyia)*) – 1 male, 1 female PT (in alc.)  
**Remarks:** Assigned to subgenus *Glochina* Meigen.
- klapperichi* Alexander, 1940: 386 (*Tipula (Nippotipula)*) – female HT
- kleinschmidti* Mannheims, 1950: 241 (*Tipula (Tipula)*) – 3 males, 1 female PT  
**Remarks:** One male PT partially dissected, mounted beneath.
- klementi* Mendl, 1973: 68 (*Molophilus*) – male HT (in alc.); 6 males PT (in alc.)  
**Remarks:** HT + 1 male PT dissected, microvial in tube.
- koreana* Tangeldar, 1984: 57 (*Nephrotoma*) – 1 female PT  
**Remarks:** PT dissected, pinned beneath.
- kosswigi* Mannheims, 1953: 135 (*Tipula (Vestiplex)*) – male HT; 2 males, 4 females PT
- kostjukovi* Savchenko, 1971: 16 (*Arctoconopa*) – 1 male PT
- kreissli* Theischinger, 1987: 104 (*Tipula (Lunatipula)*) – male HT  
**Remarks:** HT dissected, pinned beneath.

- kuatunensis* Alexander, 1940: 397 (*Tipula* (*Oreomyza*)) – male HT  
**Remarks:** Assigned to subgenus *Pterelachisus* Rondani.
- kumerloevii* Mannheims, 1968: 317 (*Tipula* (*Lunatipula*)) – male HT; 1 female PT  
**Remarks:** HT and PT dissected, pinned beneath.
- kybele* Mannheims, 1968: 310 (*Tipula* (*Lunatipula*)) – male HT; 35 males, 8 females PT
- kybele russula* Theischinger, 1977: 35 (*Tipula* (*Lunatipula*)) – male HT; 2 males, 2 females PT
- lackschewitzii* Bangerter, 1947: 357 (*Ormosia*) – 5 males, 1 female PT (in alc.)
- lackschewitziana* Mendl, 1988: 126 (*Dicranota* (*Paradicranota*)) – 1 male PT  
**Remarks:** PT dissected, pinned separately (No. 668).
- laetoidea* Starý, 2004: 666 (*Rhabdomastix* (*Rhabdomastix*)) – 1 male, 1 female PT
- lanispina* Mannheims, 1966: 499 (*Tipula* (*Lunatipula*)) – 1 male, 2 females PT
- lateralis solstitialis* Westhoff, 1879: 45 (*Tipula*) – male NT  
**Remarks:** NT designated by Mannheims (1952: 100); Synonym of *pierrei* Tonnoir.
- latistyla* Starý, 1977: 68 (*Austrolimnophila* (*Austrolimnophila*)) – 1 male, 1 female PT (in alc.)
- leda* Mannheims, 1965: 179 (*Tipula* (*Lunatipula*)) – male HT; 1 male, 4 females PT  
**Remarks:** Four female PT removed from *leda* and assigned to *lunata* group (Theischinger 1979).
- lempkei* Oosterbroek, 1978: 42 (*Nephrotoma*) – 1 male, 2 females PT
- lesnei* Pierre, 1921: 300 (*Tipula*) – 1 male ST  
**Remarks:** Assigned to subgenus *Lunatipula* Edwards; subspecies of *macquarti* Becker.
- leto* Mannheims, 1966: 241 (*Tipula* (*Lunatipula*)) – male HT; 3 males, 1 female PT
- lindbergi* Nielsen, 1962: 166 (*Limonia* (*Limonia*)) – 1 male PT
- lindneri* Mannheims, 1961: 4 (*Goniotipula*) – 1 male PT
- lindneri* Mannheims, 1951: 53 (*Pales*) – male HT; 10 males, 11 females PT  
**Remarks:** As subspecies of *croceiventris* Strobl.
- lindneri* Mannheims, 1959: 151 (*Phyllolabis*) – male HT; 2 females PT
- lindneri* Nielsen, 1963: 2 (*Taphrophila*) – 3 males, 3 females PT  
**Remarks:** One PT dissected, pinned beneath.
- lipernes* Alexander, 1971: 243 (*Shannonomyia*) – 1 male PT
- lithophila* Savchenko, 1968: 921 (*Tipula* (*Lunatipula*)) – 1 male, 1 female PT
- livida aspasia* Mannheims, 1968: 296 (*Tipula* (*Lunatipula*)) – male HT; 4 females PT
- livida sardolivida* Mannheims & Theowald, 1968: 296 (*Tipula* (*Lunatipula*)) – male HT; 65 males, 4 females PT
- Remarks:** No specific number of paratypes were listed in original publication, only numerous or “Zahlreiche”. Consequently, all specimens with appropriate date and locality present were assumed to be paratypes, whether they were labeled or not labeled as such; 1 PT dissected.
- longisternata* Alexander, 1967: 557 (*Nephrotoma*) – 1 male PT
- luctuosa* Mannheims, 1963: 33 (*Tipula* (*Acutipula*)) – male HT  
**Remarks:** HT partially dissected, mounted below.
- luctuosipes* Alexander, 1953: 172 (*Erioptera* (*Hoploeriptera*)) – 1 male, 1 female PT
- luna* Westhoff, 1879: 47 (*Tipula*) – male NT; 1 male, 2 females PNT  
**Remarks:** NT designated by Mannheims (1959: 158); (PNT have no status).
- lundbladi* Mannheims, 1962: 134 (*Tipula* (*Savtshenkia*)) – male HT
- luteicostalis longisector* Alexander, 1940: 381 (*Dictenidia*) – female HT
- luteinotalis* Alexander, 1940: 388 (*Tipula* (*Acutipula*)) – male HT; 2 females PT
- luteobasalis alata* Theowald, 1980: 484 (*Tipula* (*Pterelachisus*)) – male HT; 1 female PT
- macciana* Edwards, 1928: 187 (*Tipula*) – 1 male ST
- macropeliostigma* Mannheims, 1954: 163 (*Tipula* (*Lunatipula*)) – 1 male PT  
**Remarks:** PT missing from collection.
- macropteryx* Tjeder, 1955: 225 (*Limnophila* (*Idioptera*)) – 1 male, 1 female PT
- malickyi* Mendl, 1975: 22 (*Ormosia* (*Rhypholophus*)) – male HT (in alc.); 1 male, 3 females PT (in alc.)
- malickyi* Mendl & Tjeder, 1976: 237 (*Baeoura*) – 7 males, 27 females PT (in alc.)
- malickyiana* Mendl, 1985: 155 (*Tasiocera* (*Dasymolophilus*)) – male HT (in alc.)  
**Remarks:** HT dissected, pinned separately (No. 623).
- manipurensis* Alexander, 1967: 571 (*Dolichozeza* (*Nesozeza*)) – 1 male PT
- manipurensis* Alexander, 1964: 151 (*Malaisemyia*) – 1 male PT
- mannheimsi* Mendl, 1974: 214 (*Erioptera* (*Ilisia*)) – male HT (in alc.); 1 male (in alc.); 2 males, 1 female (pinned) PT  
**Remarks:** Assigned to *Hoplolabis* (*Parilisia*).
- mannheimsi* Alexander, 1960: 15 (*Austrolimnophila* (*Austrolimnophila*)) – male HT (in alc.)
- mannheimsi* Savchenko, 1966: 260 (*Nephrotoma*) – male HT; 2 males, 1 female PT  
**Remarks:** Synonym of *pullata* Alexander.
- mannheimsiana* Alexander, 1953: 746 (*Tipula* (*Acutipula*)) – 1 male, 1 female PT
- mannheimsiana* Nielsen, 1961: 112 (*Phyllolabis*) – 2 males PT



- margaritae* Alexander, 1948: 371 (*Phacelodocera*) – 1 male PT  
**Remarks:** Genus now subgenus of *Ptilogyne* Enderlein.
- mariposa* Alexander, 1946: 187 (*Tipula (Lunatipula)*) – 1 male PT  
**Remarks:** Specimen completely destroyed.
- martinovskiy* Starý, 1974: 5 (*Dicranota (Paradicranota)*) – 1 male PT
- mecogastra* Alexander, 1964: 305 (*Limonia (Dicranomyia)*) – 1 male PT
- melpomene* Mannheims, 1954: 166 (*Tipula (Lunatipula)*) – male HT; 3 males, 2 females PT
- mendli* Starý, 1987: 267 (*Cheilotrichia (Empeda)*) – 7 males, 11 females PT (in alc.)
- mendli* Martinovsky, 1976: 52 (*Tipula (Lunatipula)*) – 1 male PT (in alc.)
- mendli* Savchenko, 1983: 58 (*Prionolabis*) – 4 males PT (in alc.)
- meridiana* Mendl, 1974: 210 (*Cheilotrichia*) – male HT (in alc.); 27 males, 2 females PT (in alc.)
- meridiana* Mendl, 1988: 95 (*Dicranota (Rhaphidolabina)*) – male HT (in alc.); 5 males, 1 female PT (in alc.)  
**Remarks:** HT dissected, pinned separately (No. 337).
- micropeliostigma* Mannheims, 1965: 207 (*Tipula (Lunatipula)*) – male HT  
**Remarks:** Genitalia in microvial on separate pin.
- minima* Mendl, 1974: 221 (*Tasiocera (Dasymolophilus)*) – male HT (in alc.); 59 males PT (in alc.)
- minor distinguenda* Starý, 1983: 10 (*Erioptera (Erioptera)*) – 1 male PT
- minnscula* Mannheims, 1951: 40 (*Pales*) – 2 males, 1 female PT
- mixta* Starý 1983: 2 (*Ula (Ula)*) – 1 male PT
- miyamotoi claripennis* Mannheims, 1967: 202 (*Ctenophora*) – male HT  
**Remarks:** Synonym of *C. nigriceps* Tjeder.
- monstrosus* Mendl, 1974: 218 (*Molophilus*) – male HT (in alc.); 5 males PT (in alc.)  
**Remarks:** HT dissected, pinned separately (No. 718).
- montifer* Theischinger, 1977: 5 (*Tipula (Lunatipula)*) – male HT  
**Remarks:** Dissected (pinned beneath).
- nasnta* Oosterbroek, 1975: 121 (*Nephrotoma*) – male HT; 1 male, 2 females PT
- nausicaa* Mannheims, 1966: 220 (*Tipula (Lunatipula)*) – male HT, 23 males, 8 females PT
- neorina* Alexander, 1953: 739 (*Longurio (Longurio)*) – 1 male PT  
**Remarks:** Assigned to *Leptotarsus* Guérin-Méneville.
- nielsenii* Mannheims & Theowald, 1959: 29 (*Tipula (Oreomyza)*) – 3 males, 1 female PLT  
**Remarks:** LT designated by Mannheims & Pechlaner (1963: 26).
- nielsenii* Mannheims, 1959: 153 (*Phyllolabis*) – male HT; 4 males, 1 female PT
- niethammeri* Mannheims, 1969: 253 (*Tipula (Acutipula)*) – male HT; 4 males, 6 females PT
- nigdeensis* Bischof, 1905: 172 (*Tipula*) – 1 male, 1 female PLT  
**Remarks:** LT designated by Mannheims (1968: 320).
- nigritana* Mannheims, 1961: 11 (*Pales*) – 1 female PT  
**Remarks:** Assigned to *Nephrotoma* Meigen.
- nigrofemoratus* Alexander, 1967: 541 (*Ctenacroscelis*) – 1 male PT
- nimbipennis* Alexander, 1941: 407 (*Triogma*) – male HT; 1 male, 3 females PT
- oleracea* Linnaeus, 1758: 585 (*Tipula*) – male NT; 3 males PNT  
**Remarks:** NT designated by ICZN (1980) 37: Opinion 1160, using specimens identified in Mannheims (1952: 77, Fig. 39b); PNT have no status.
- orientobifida* Savchenko, 1983: 85 (*Ormosia (Ormosia)*) – 3 males PT (in alc.)
- padana* Dufour, 1981: 125 (*Tipula (Pterelachisus)*) – 20 males, 3 females PT
- palitans* Alexander, 1965: 350 (*Tipula (Eumicrotipula)*) – 1 male PT  
**Remarks:** Specimen partly destroyed.
- pallidivena* Alexander, 1969: 372 (*Cryptolabis (Cryptolabis)*) – 2 PT  
**Remarks:** Damaged specimens on single pin, sex unknown.
- pan* Mannheims, 1965: 188 (*Tipula (Lunatipula)*) – male HT; 45 males, 37 females PT  
**Remarks:** Assigned as subspecies of *macrosele* Strobl.
- pandora* Mannheims, 1968: 306 (*Tipula (Lunatipula)*) – male HT; 3 males, 2 females PT
- parallela* Theischinger, 1977: 30 (*Tipula (Lunatipula)*) – 13 males PT
- parapeliostigma* Mannheims & Theowald, 1959: 34 (*Tipula (Lunatipula)*) – male HT; 2 females PT  
**Remarks:** HT collected 1935 not 1938.
- parasimurg* Savchenko, 1968: 927 (*Tipula (Lunatipula)*) – 2 males, 1 female PT
- parvauricola* Alexander, 1940: 400 (*Tipula*) – male HT; 1 male, 4 females PT  
**Remarks:** Assigned to subgenus *Sivatipula* Alexander.
- panli* Geiger 1983: 639 (*Dicranomyia (Salebriella)*) – 1 male PT (in alc.)
- pechlaneri* Mannheims & Theowald, 1959: 29 (*Tipula (Oreomyza)*) – male LT; 20 males, 16 females PLT  
**Remarks:** LT designated by Mannheims (1963) in Mannheims & Pechlaner (1963: 25).
- pechlaneri* Mendl, 1976: 279 (*Dactylolabis (Dactylolabis)*) – 2 males, 1 female PT
- pelidne* Mannheims, 1965: 198 (*Tipula (Lunatipula)*) – male HT; 23 males, 23 females PT
- peliostigma dorica* Mannheims, 1965: 205 (*Tipula (Lunatipula)*) – male HT



- Remarks:** Elevated to species.
- peliosigma pelopea* Mannheims, 1965: 204 (*Tipula* (*Lunatipula*)) – male HT; 8 males, 8 females PT
- peliosigma phoenissa* Mannheims, 1965: 205 (*Tipula* (*Lumatipula*)) – male HT
- Remarks:** Genitalia in microvial on separate pin.
- pelma* Mannheims, 1965: 212 (*Tipula* (*Lumatipula*)) – male HT
- Remarks:** HT dissected, pinned separately.
- penelope eurykleia* Theischinger, 1979: 289 (*Tipula* (*Lunatipula*)) – male HT; 3 males, 14 females PT
- penelope* Mannheims, 1954: 171 (*Tipula* (*Lumatipula*)) – male HT; 5 males, 3 females PT
- plaidra* Mannheims, 1965: 184 (*Tipula* (*Lumatipula*)) – male HT; 7 males, 2 females PT
- pila* Alexander, 1966: 16 (*Erioptera* (*Erioptera*)) – 1 male, 1 ? PT
- Remarks:** Both PT on same pin, lower specimen missing abdomen.
- pilosa* Mendl & Geiger, 1992: 150 (*Hoverioptera* (*Teserioptera*)) – 2 males PT (in alc.)
- pirinensis* Starý, 1971: 95 (*Ormosia* (*Ormosia*)) – 1 male PT
- plitviciensis* Simova, 1962: 102 (*Tipula* (*Oreomyza*)) – male LT; 1 female PLT
- Remarks:** LT designated by Theowald (1978: 489).
- plumbea* Fabricius, 1782: 403 (*Tipula*) – 1 male, 1 female PNT
- Remarks:** NT designated by Hollander (1975); (PNT have no status).
- pokorny* Mannheims, 1968: 299 (*Tipula* (*Lumatipula*)) – 1 female PT
- polydeukes* Theischinger, 1977: 22 (*Tipula* (*Lumatipula*)) – male HT
- pontica* Savchenko, 1964: 52 (*Tipula* (*Geotipula*)) – 1 male PNT
- Remarks:** NT designated by Savchenko (1966); (PNT has no status).
- prolixistyla* Alexander, 1971: 169 (*Antocha* (*Antocha*)) – 2 PT
- Remarks:** All specimens damaged.
- proximus* Mendl, 1979: 182 (*Molophilus*) – male HT (in alc.); 17 males, 38 females PT (in alc.)
- Remarks:** HT mislabeled, likely male from 6.6.75 (No. 242) and not No. 241?
- pseudocrassiventris* Theowald, 1980: 503 (*Tipula* (*Pterelachisus*)) – 4 males, 2 females PT
- pseudopeliosigma* Mannheims, 1965: 208 (*Tipula* (*Lunatipula*)) – male HT; 1 male PT
- pseudopropinquus* Mendl, 1973: 71 (*Molophilus*) – male HT (in alc.); 1 male PT (in alc.)
- pseudowolffi* Theischinger, 1979: 143 (*Tipula* (*Lumatipula*)) – male HT; 5 males, 3 females PT
- quadridens loehmeri* Mendl, 1987: 17 (*Ellipteriodes* (*Protogonomyia*)) – 1 male, 1 female PT (in alc.)
- quadrilobata* Savchenko, 1983: 101 (*Gonomyia* (*Teuchogonomyia*)) – 5 males PT (in alc.)
- rauschorum* Theischinger, 1977: 25 (*Tipula* (*Lumatipula*)) – 1 male, 1 female PT
- reducta* Bangerter, 1947: 373 (*Gonomyia* (*Lipophleps*)) – 1 male PT (in alc.)
- Remarks:** Specimen labeled as “Topotype”, as stated by Bangerter (1947).
- reductana* Alexander, 1940: 413 (*Limnophila* (*Adelphomyia*)) – female HT
- reservata* Alexander, 1940: 401 (*Tipula*) – female HT
- retroflexa* Bangerter, 1948: 186 (*Dicranomyia*) – 2 males, 1 female PT (in alc.)
- Remarks:** Synonym of *tristis* (Schummel).
- rifensis* Theowald & Oosterbroek, 1980: 183 (*Tipula* (*Acutipula*)) – male HT
- robusta* Starý, 2003: 602 (*Rhabdomastix* (*Lurdia*)) – 1 male, 1 female PT
- robustus* Bangerter, 1947: 366 (*Dasymolophilus*) – 1 male PT (in alc.)
- Remarks:** Label data does not match literature.
- rostrata* Mendl, 1987: 14 (*Dicranota* (*Paradicranota*)) – male HT (in alc.)
- Remarks:** HT dissected, pinned separately (No. 657).
- rufula* Mannheims & Theowald, 1959: 41 (*Tipula* (*Lunatipula*)) – 1 male, 3 females PT
- rugulosa* Mannheims & Theowald, 1959: 40 (*Tipula* (*Lunatipula*)) – 2 males, 2 females PT
- rumpfi* Mannheims & Theowald, 1959: 50 (*Tipula* (*Oreomyza*)) – 3 males PT
- saccii* Mannheims, 1950: 71 (*Tipula* (*Vestiplex*)) – 1 male, 1 female PT
- sacerdotula* Riedel, 1918: 114 (*Tipula*) – 2 males ST
- saltatrix* Savchenko, 1964: 1394 (*Tipula* (*Lunatipula*)) – 1 male, 1 female PT
- sardiniensis* Oosterbroek, 1978: 111 (*Nephrotoma*) – male HT; 7 males, 16 females PT
- Remarks:** Assigned as subspecies of *cornicina* Linnaeus.
- sardosignata* Mannheims & Theowald, 1959: 48 (*Tipula* (*Oreomyza*)) – 1 male, 1 female PT
- savtshenkoi* Starý, 1972: 3 (*Molophilus* (*Molophilus*)) – 1 male PT
- savtshenkoi* Mendl, 1976: 36 (*Dicranoptycha* (*Ulugbekia*)) – male HT (in alc.); 1 male, 2 females PT (in alc.)
- schachti* Mendl, 1986: 293 (*Baeoura*) – 4 males, 4 females PT (in alc.)
- schaeuffelei* Mannheims, 1964: 2 (*Pales*) – 1 male PT
- Remarks:** Assigned to *Nephrotoma*.
- schmidti* Mannheims, 1952: 88 (*Tipula* (*Tipula*)) – male HT; 1 male, 2 females PT
- sciurus* Theischinger, 1977: 7 (*Tipula* (*Lumatipula*)) – male HT

- scurra* Alexander, 1940: 376 (*Pseliophora*) – male HT; 1 female PT
- seguyi* Mannheims, 1954: 174 (*Tipula* (*Lunatipula*)) – 2 males PT
- selenaria* Mannheims, 1967: 281 (*Tipula* (*Lunatipula*)) – 4 males PT
- semipeliostigma* Mannheims, 1965: 208 (*Tipula* (*Lunatipula*)) – male HT
- serena* Alexander, 1969 360: 2 (*Atarba* (*Atarba*)) – 2 males PT  
**Remarks:** PT are damaged.
- sexdentata* Nielsen, 1963: 6 (*Gonomyia* (*Idiocera*)) – male HT; 1 male PT
- sikkinensis* Alexander, 1969: 129 (*Atarba* (*Atarbodes*)) – 2 males, 1 ? PT  
**Remarks:** PT are partially damaged.
- simulans* Savchenko, 1966: 199 (*Tipula* (*Savtshenka*)) – 2 males PT
- sjoestedti* Alexander, 1934: 18 (*Limonia* (*Dicranomyia*)) – 1 male PT (in alc.)  
**Remarks:** Synonym of *D. incisurata* Lackschewitz.
- smithersiana* Alexander, 1959: 51 (*Nephrotoma*) – 1 female PT
- soosi* Mannheims, 1954: 160 (*Tipula* (*Lunatipula*)) – 6 males, 2 females PT
- spatha* Oosterbroek, 1975: 119 (*Nephrotoma*) – male HT; 1 male PT  
**Remarks:** PT dissected.
- spathifera* Mannheims, 1953: 5 (*Tipula* (*Oreomyza*)) – 2 males, 1 female PT (in alc.)
- spinula* Mendl, 1973: 114 (*Erioptera* (*Ilisia*)) – 4 males, 2 females PT (in alc.)  
**Remarks:** Assigned to *Hoplolabis* (*Parilisia*).
- spoliatrix* Alexander, 1940: 387 (*Tipula* (*Formotipula*)) – male HT; 2 females PT
- stalactitica* Alexander, 1940: 379 (*Dictenidia*) – male HT  
**Remarks:** HT not female as listed in the “Catalog of the Diptera of the Oriental Region”.
- staryi* Mendl, 1973: 65 (*Cheilotrichia* (*Empeda*)) – male HT (in alc.)
- stenoptera* Mannheims, 1962: 128 (*Tipula* (*Savtshenka*)) – 1 male, 1 female PT
- sternalis* Theischinger, 1977: 32 (*Tipula* (*Lunatipula*)) – male HT; 1 male, 1 female PT
- sternolobatooides* Alexander, 1964: 283 (*Limonia* (*Dicranomyia*)) – 2 females PT
- stimulosa* Mannheims, 1973: 325 (*Tipula* (*Lunatipula*)) – male HT; 1 male, 1 female PT (alc.)  
**Remarks:** Species was published in Theowald (1973).
- subanalis* Mannheims, 1951: 57 (*Pales*) – 1 male PT  
**Remarks:** Assigned to *Nephrotoma*.
- subcava* Mannheims, 1963: 172 (*Tipula* (*Lunatipula*)) – male HT; 26 males, 15 females PT
- subexcisa* Lundström 1907: 14 (*Tipula*) – 1 male ST
- subfalcata* Mannheims, 1967: 272 (*Tipula* (*Lunatipula*)) – male HT; 3 males, 4 females PT
- subfalcata* Alexander, 1940: 410 (*Pedicia* (*Pedicia*)) – female HT
- subglacialis* Mannheims & Theowald, 1959: 28 (*Tipula* (*Oreomyza*)) – male LT; 17 males, 5 females PLT  
**Remarks:** LT designated by Theowald (1980: 508). Assigned to subgenus *Pterelachisus*.
- subhelvola* Mannheims & Theowald, 1959: 39 (*Tipula* (*Lunatipula*)) – male HT; 7 males, 4 females PT
- subinvenusta* Šlípka, 1950: 78 (*Tipula* (*Oreomyza*)) – male HT; 5 males, 5 females PT  
**Remarks:** Assigned as subspecies of *invenusta* Riedel.
- sublurida* Stary, 2003: 598 (*Rhabdomastix* (*Lurdia*)) – 1 male, 1 female PT
- submontium* Theowald & Oosterbroek, 1981: 39 (*Tipula* (*Yamatotipula*)) – 2 males PT
- subonusta* Mannheims & Theowald, 1959: 43 (*Tipula* (*Lunatipula*)) – male HT; 3 males, 3 females PT
- subpustulata* Mannheims, 1963: 174 (*Tipula* (*Lunatipula*)) – 7 males, 4 females PT
- subtrunca* Mannheims, 1966: 237 (*Tipula* (*Lunatipula*)) – male HT
- subtruncata* Mannheims, 1954: 171 (*Tipula* (*Lunatipula*)) – 1 male, 2 females PLT  
**Remarks:** LT & PLT designated by Mannheims & Theowald (1959) (except some specimens collected in 1957 which were not part of the original type series).
- tananariviana* Alexander, 1960: 215 (*Tipula* (*Acutipula*)) – 1 male, 1 female PT  
**Remarks:** Label data does not match the literature.
- tatrica* Stary, 2003: 605 (*Rhabdomastix* (*Lurdia*)) – 1 male, 1 female PT
- terpsichore* Mannheims, 1954: 180 (*Tipula* (*Lunatipula*)) – male HT; 17 males, 9 females PT  
**Remarks:** Assigned under new name, *thais* Mannheims.
- theia* Mannheims, 1963: 176 (*Tipula* (*Lunatipula*)) – male HT; 14 males, 9 females PT
- theowaldi* Stary, 1982: 29 (*Gonomyia* (*Gonomyia*)) – 1 male PT (in alc.)
- theowaldi* Mannheims, 1959: 155 (*Phyllolabis*) – male HT; 4 males, 3 females PT
- tibonella* Theischinger, 1977: 14 (*Tipula* (*Lunatipula*)) – male HT
- titania* Mannheims, 1966: 244 (*Tipula* (*Lunatipula*)) – female HT
- tjederi* Mendl, 1974: 30 (*Pedicia* (*Crunobia*)) – male HT (in alc.)
- tjederi* Savchenko, 1967: 17 (*Phyllolabis*) – 1 male, 1 female PT
- tricuspidatus* Mendl, 1979: 183 (*Molophilus*) – male HT; 8 males, 3 females PT (in alc.)  
**Remarks:** HT dissected, pinned separately (No. 243).
- trigona* Mannheims, 1966: 253 (*Tipula* (*Lunatipula*)) – male HT



- trunca* Mannheims, 1954: 170 (*Tipula (Lumatipula)*) – male HT; 2 males, 2 females PT
- turca* Mannheims, 1963: 165 (*Tipula (Lumatipula)*) – male HT
- tricolivida* Mannheims, 1968: 298 (*Tipula (Lumatipula)*) – male HT
- turgida* Oosterbroek, 1997: 193 (*Tipula (Lumatipula)*) – 1 male, 2 females PT
- tyche* Mannheims, 1966: 496 (*Tipula (Lumatipula)*) – male HT; 2 males, 1 female PT
- unguifer* Starý, 1978: 346 (*Molophilus (Molophilus)*) – 4 males PT (in alc.)
- Remarks:** Synonym of *M. vafer* Lackschewitz.
- unicornis* Alexander, 1961: 208 (*Neplrotoma*) – 1 female PT
- urania* Mannheims, 1954: 178 (*Tipula (Lumatipula)*) – male HT; 25 males, 15 females PT
- ursulae* Mannheims, 1965: 206 (*Tipula (Lumatipula)*) – male HT
- Remarks:** HT damaged, genitalia in microtube pinned separate.
- usingeri* Alexander, 1966: 107 (*Elliptera*) – 4 PT
- Remarks:** Two specimens on each pin; all destroyed, sex unknown.
- vallanti* Theowald, 1977: 8 (*Tipula (Vestiplex)*) – 3 males PT
- Remarks:** 1 male PT? in alcohol, original specimen identified by Mannheims for published name in Vaillant (1956), same label data as holotype published by Theowald (1977). No indication in description of an alcohol specimen.
- vana* Savchenko, 1980: 36 (*Gonomyia (Gonomyia)*) – 1 male PT
- Remarks:** PT dissected, pinned separately.
- venerabilis* Alexander, 1935: 395 (*Tipula (Oreomyza)*) – 1 male PT
- Remarks:** Assigned to subgenus *Savtshenkia* Alexander.
- veneris* Alexander, 1952: 54 (*Limonia (Dicranomyia)*) – 1 male, 1 female, 1 ? PT
- verbernae* Mannheims & Theowald, 1959: 53 (*Tipula (Vestiplex)*) – 40 males, 12 females PT
- whitneyi* Alexander, 1923: 161 (*Tipula*) – 1 male PT
- wirthiana* Alexander, 1970: 46 (*Gonomyia (Paralipophleps)*) – 1 male PT
- Remarks:** PT damaged.
- wolffi* Mannheims, 1954: 175 (*Tipula (Lumatipula)*) – male HT; 2 females PT
- xuthoptera* Alexander, 1966: 266 (*Angarotipula*) – 1 male PT
- Remarks:** PT damaged.
- zangherii* Lackschewitz, 1932: 182 (*Tipula*) – 3 males, 3 females PNT
- Remarks:** NT & PNT designated by Mannheims (1967: 284) (PNT have no status).

- zarcoi* Mannheims, 1967: 282 (*Tipula (Lumatipula)*) – 28 males, 21 females PT
- zernyi* Mannheims, 1952: 110 (*Tipula (Schummelia)*) – 2 males, 4 females PT
- zwicki* Mendl, 1973: 291 (*Pedicia (Tricyphona)*) – male HT (in alc.)

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#### Family: Trichoceridae

*caudata* Dahl 1976: 63 (*Trichocera (Metatrachocera)*) – 1 male PT (in alc.)

*dahl* Mendl 1971: 61 (*Trichocera*) – male HT; 6 males PT (in alc.)

**Remarks:** HT collected 7.10.70 not 5.10.70 (as publ.).

*implicata* Dahl 1976: 59 (*Trichocera* s.s.) – 1 male PT (in alc.)

*mendli* Dahl 1976: 61 (*Trichocera* s.s.) – 1 male PT (in alc.)

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#### Family: Ulidiidae

*japonica* Kameneva 2006: 24 (*Herina*) – 2 males, 1 female PT

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**Table 1.** The total number of types for Embiidina, Isoptera, Neuroptera, Mecoptera and Raphidioptera in ZFMK  
HT – holotype, LT – lectotype, NT – neotype, PLT – paralectotype, PT – paratype, ST – syntype.

Order	ST (# spp.)	HT	LT	NT	PT & PLT (# spp.)
Embiidina		1			
Isoptera	1				
Neuroptera	4		3		1
Mecoptera	1	6			1
Raphidioptera	1	1			

**Table 2.** The total number of types for the families of Diptera in ZFMK  
HT – holotype, LT – lectotype, NT – neotype, PLT – paralectotype, PT – paratype, ST – syntype.

Family	ST (# spp.)	HT	LT	NT	PT & PLT (# spp.)
Anthomyiidae		6			
Asilidae		2			2
Atelestidae					1
Blephariceridae	11	3	2		3
Brachystomatidae		1			14
Calliphoridae					1
Cecidomyiidae		1			6
Chloropidae					10
Dolichopodidae ( <i>s. lat.</i> )		2			23
Empididae	2	30			26
Glossinidae					1
Hybotidae					5
Milichiidae					2
Muscidae	1	3			
Oreoleptidae					1
*Phoridae		7			8
Pipunculidae		4			
Platystomatidae	1				
Psychodidae		2			
Ptychopteridae					2
**Scaridae	3	11	67		22
Sciomyzidae	2				
Stratiomyidae	1	3			
Syrphidae			1	1	3
Tabanidae		4			
Tachinidae		2			
Tephritidae		11			4
Thaumaleidae					3
Tipulidae ( <i>s. lat.</i> )	14	160	6	4	185
Trichoceridae		1			3
Ulidiidae					1
<b>Total</b>	<b>33</b>	<b>255</b>	<b>76</b>	<b>5</b>	<b>326</b>

\*Exclusive of the Schmitz and Beyer collections, which include 452 and 152 types, respectively.

\*\*Only the Palearctic species of Scaridae have been identified. Data taken from Menzel & Mohrig (2000).